THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

Established in **ENGLAND, 1859.]**

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Published Weekly at 42 CANNON STREET, LONDON, E.C.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]

Established in **[AUSTRALASIA, 1885.**

No. 1,814. Vol. LXXXV. OCTOBER 31, 1914.

Subscription, 10s. per annum, including Diary. Free the World over. Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

Extract of Malt with **Cod Liver Oil**

packed in amber-tinted glass jars —labelled.

SIZES: ½ lb., 1 lb., 2 lb., 4 lb.

Orders can be received for immediate delivery.

Allen & Hanburys, Limited, London.

Extract of Malt with **Cod Liver Oil**

packed in amber-tinted glass jars —labelled.

SIZES: ½ lb., 1 lb., 2 lb., 4 lb.

Orders can be received for immediate delivery.

Allen & Hanburys, Limited, London.

Index and Buyers' Guide, pp. 5, 6 and 7.

We Recognise that the Most Forceful Way of Appealing to the Public at the present time is

THROUGH THE CHEMIST'S WINDOW

WILL YOU CO-OPERATE?

FOR A LIMITED PERIOD ONLY, Wright, Layman & Umney, Limited, will have pleasure in presenting for exhibition in the window a copy of the beautiful reproduction of

The famous Oil Painting by Sheridan Knowles, "ORANGES AND LEMONS"

(the distribution of which is being advertised largely in the Public Press),

to each purchaser of a display quantity of Wright's Coal Tar Soap, viz.: One gross of boxes with two dozen boxes as a bonus for Window Display.

The picture is superbly produced. Size, 33 in. by 27 in., in colours faithful to the original, and is entirely free from advertisement matter. It is sent to those who send 24 Wrappers from 4d. Tablets of

Wright's Coal Tar Soap

with 6d. to cover packing and postage.

The display of this picture in your window should bring you many customers for 24 tablets of WRIGHT'S COAL TAR SOAP.

A Window Display of WRIGHT'S COAL TAR SOAP yields 30 per cent. Profit on the Selling Price.

NOTE THE FOLLOWING:

SELLING PRICE.		BUYING PRICE.	
1 gross of boxes **Wright's Coal Tar Soap**	£7 4 0	1 gross boxes **Wright's Coal Tar Soap**	£5 18 6
2 doz. boxes as a bonus for Window Display of three weeks ...	£1 4 0	2 doz. boxes free. Less 2½ per cent. for cash ...	3 0
	£8 8 0		£5 15 6

A VERY FINE PROFIT INDEED FOR AN ARTICLE IN GENERAL USE AND SO LARGELY ADVERTISED TO THE PUBLIC.

The following are the 14 Cash Prizes for the Second Series ending December 31, 1914, namely:

FIRST PRIZE £25 **THIRD PRIZE £10**
SECOND „ £15 **FOURTH „ £5**
and 10 Consolation Prizes of £1 each.

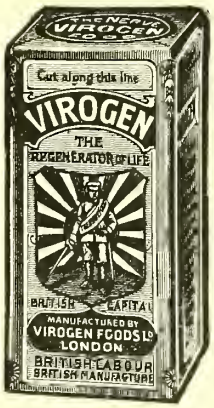
WRITE INSTANTLY TO

WRIGHT, LAYMAN & UMNEY, LTD., SOUTHWARK, LONDON, S.E.

DON'T LET THE CASH CHEMISTS HAVE ALL THE TRADE.

SANATOGEN defeated by VIROGEN

which may bear your name and address.



WHOLESALE.		RETAIL.
10/- per doz.	... ...	1/3
15/- ,, ,,	... ...	1/10
28/- ,, ,,	... ...	3/6
52/- ,, ,,	... ...	6/6

FORMAMINT TABLETS

unnecessary when

FORMALIN MINT TABLETS,

BRITISH-MADE, are procurable.

Bottles of 25 Tablets 2/10 per dozen.
Bottles of 50 Tablets 3/9 per dozen.

ASPIRIN

unnecessary.

COXPYRIN TABLETS

are made from a British Acetyl-Salicylic Acid.

Bottles of 25 Tablets 4/6 per doz.
Bottles of 50 Tablets 8/3 per doz.
Bottles of 100 Tablets 15/6 per doz.
Bottles of 1,000 Tablets 10/6

TO OUR CUSTOMERS ! We shall be pleased to co-operate with any of our clients who would like to make an attack on German proprietary articles. We have window material informing the public that the goods offered are all of British manufacture, and several smartly written window posters, which make trade.

ARTHUR·H·COX·&·CO·LTD

Manufacturing Chemists

BRIGHTON
ENGLAND

At this juncture, when the British Public are determined to ostracise everything of German origin, there can be no question as to the wisdom of British Pharmacists purchasing the best article available of British origin.

VITAFER

The Premier Tonic Food

appeals to Medical Men and the Public, not only because it is, and always has been, British, but also because it is better than any other product of the kind. It is superior not only because it contains the whole Protein of Milk, including the Lactalbumen, but because its Glycerophosphates include not only that of Sodium but those of Calcium and Magnesium also, the former being of great value in nutrition, whilst the latter counteracts the tendency to constipation which generally follows the use of concentrated foods.

N.B.—Pharmacists are recommended to beware of foods which are offered to them without analysis, many of which are hastily concocted preparations hurriedly thrown together to meet the demand for a Food of British origin; some of these consist for the most part of powdered dried skimmed-milk and glycerophosphates, and so stand self-condemned because they fail to publish a statement of their composition.

The Milk Proteins are made at our own factory at Solohead, near Tipperary, and the Glycerophosphates at our chemical factory, Saltley, Birmingham.

A WINDOW SHOW
COSTS
£4 19 0
SELLS FOR
£9 12 0
SEND FOR PARTICULARS.

SAMPLES, SHOWCARDS & OTHER WINDOW MATERIAL FREE ON APPLICATION.

HANDSOME NEW

"CUT-OUT" FIGURE

in rich colours, just ready.

Sent free of charge and carriage paid.

VITAFER CHOCOLATE

A DELICIOUS CONFECTION & GENUINE STIMULANT.

Much appreciated by Soldiers at the Front, when Marching, in Training, etc.

In 6d. and 1/- Packets. Packed in Handsome Counter Boxes of 2 and 3 dozen 6d. and 1 dozen 1/- **4/9** and **9/6** per dozen.

SOUTHALL BROS. & BARCLAY, LTD., BIRMINGHAM.

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Southall's Christmas Perfumery Catalogue

(Twenty-Seventh Issue).

A Copy will be sent to every registered Chemist & Druggist who makes application

In the Catalogue will be found particulars and prices of New Boxes, New Bottles, New Odours, in nearly *600 varieties, ranging in retail prices from 6½d. to 50/-*

Special attention is directed to the

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sent Carriage Paid to any Chemist in Great Britain and Ireland.

£1	....	"The Popular"	.... Set A	24 Boxes retailing	6½d.	to	2/6
£1	....	"The Select"	.... Set B	12 Boxes	„	1/9	to	3/6
£1	....	"The Superior"	.... Set C	8 Boxes	„	3/-	to	5/-
£1	....	"The Exquisite"	.... Set D	6 Boxes	„	4/-	to	6/6
£2	....	Special Selection 19 Boxes Best Selling Lines			„	6½d.	to	7/6
£1	....	28 Bottles, uncased	.... Set G	....	„	6d.	to	2/6
£2	....	46 Bottles, uncased	.... Set H	....	„	6d.	to	5/-
25/-	....	12 Bottles, Best Selling Lines	.... Set I		„	6d.	to	10/6

"OWN" BOUQUETS—Samples of bottles, labels and perfumes, and any information will be sent on application.

REAL DEVONSHIRE VIOLETS, the "True to Nature" Perfume. Samples on application.

SOUTHALL BROS. & BARCLAY, LTD.,
BIRMINGHAM.

BLONDEAU

Profitable lines of Perfumery.

FOR the Christmas Season no articles are more suitable for preparing a tasteful counter or window display than a selection of choice perfumes put up, as are the Blondeau lines, in handsome Bottles and elegant Caskets.

BLONDEAU Perfumes make ideal Christmas Presents, sell readily and show a substantial margin of profit to the Pharmacist. Our Representative will call on you shortly with a full range of our new lines, all of which merit your special attention. Here are particulars of a few :—

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Handsome bottles in attractive caskets.

Flower Maiden Series - To retail at 1/-
Original in design and of elegant appearance.

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In dainty oval bottles.

Flower Maiden Series.

NOTE.—The above and several other series are supplied in all popular odours.

IT WILL PAY YOU TO SELL BLONDEAU PERFUMES.

BLONDEAU ET CIE, LONDON AND PARIS.

R V 182—29

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BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

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THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the **classes of goods** actually advertised, but this is not a detailed Guide such as appears in "The Chemist and Druggist Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

Absolute Alcohol
Burrough, J., Ltd.

Acetyl-Salicylic Acid
Bush, W. J., & Co., Ltd.
Reitmeyer & Co.

Acids
Blythe, Wm., & Co., Ltd.

Advertising
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Bromley, A. W.
Degen, P. A.

Aerated Water Machinery
Barnett & Foster
Pure Aeration Supply, Ltd.

Aerated-Water Materials
Barnett & Foster
Bush, W. J., & Co., Ltd.
Hay, William, Ltd.
Stevenson & Howell, Ltd.

Aerated Waters
Camwal, Ltd.
Idris & Co., Ltd.

Agencies, Colonial, &c.
Kemp, Campbell & Co.
Lennon, Ltd.
Longmore, Francis, & Co.
Napper, E. H.
Reade Bros. & Co., Ltd.

Air Cushions
Burge, Warren & Ridgley, Ld.

Alkaloids
Burroughs Wellcome & Co.
Hoffmann-La Roche Chemical Works
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
Morson, T., & Son
Reitmeyer & Co.
Roques, Ferdinand
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Whiffen & Sons, Ltd.

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Hey Bros. Ltd.

Ambulance Boxes
Taylor, Law & Co., Ltd.

Ambulance Outfits
Hall Forster & Co., Ltd.
Hogood, William, Ltd.

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American Drug Supply Co.
Roberts & Co.

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Brunner, Mond & Co., Ltd.

Anæsthetics
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.

Ampoule Files
Sim, Ltd.

Aniline Dyes
Crawshaw, E., & Co.

Annatto
Fullwood, R. J., & Bland
Tomlinson & Hayward, Ltd.

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Burge, Warren & Ridgley, Ld.

Antiseptics
Bell (John), Hills & Lucas, Ld.
Jeyes' Sanitary Compds. Ltd.
Sanitas Co., Ltd.
Young, R., & Co., Ltd.

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Blythe, Wm., & Co., Ltd.

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Haywood, J. H., Ltd.
Maw, S., Son & Sons

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Hair, B. W., & Son
Lofthouse & Saltmer, Ltd.
Potter & Clarke, Ltd.

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Dodge & Olcott Co.

Barrels
Venesta Ltd.

Bath Gloves
Solport Bros.

Bathing Caps
Tompkins, Jas., Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.

Binoculars
Raphael's, Ltd.

Bismuth Salts
Alliance Drug & Chem. Co.
Burgoyne, Burbidges & Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Morson, T., & Son
Tyrer, T., & Co., Ltd.
White, Alfred, & Sons

Body Belts
Berliner, Arthur
Schutze, F., & Co., Ltd.
Wood, Vincent

Books, &c.
Lewis, H. K.
Martindale's "Extra Pharm"
Squire's "Companion"

Botanic Druggists
Newball & Mason
Potter & Clarke, Ltd.

Bottles, Jars, &c., Glass
Barnett & Foster
Ferry, T., & Son, Ltd.
Gaasch, J. B.
"Ideal" Bottle
Isaacs, I., & Co.
Maw, S., Son & Sons
Melin, C., & Co.
Orrock, R., & Co.
Poths, H., & Co.
Swales, Thomas
Universal Bottle Co.
Youldon, E., Ltd.

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Glover, C. H., & Co., Ltd.
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Waide T., & Sons

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Titterton & Howard

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Oldfield, Pattinson & Co.

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Lorimer-Marshall, Ltd.
Warrick Brothers, Ltd.

Cachous
Potter & Clarke, Ltd.

Cacodylates
Roques, Ferdinand

Calf Lymph
Heincmann, W.

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Butcher, W., & Sons, Ltd,

Camphor
Alliance Drug & Chemical Co.
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May & Baker, Ltd.
Whiffen & Sons, Ltd.

Caps for Bottles, &c.
Airtight Capsules Co., Ltd.
Betts & Co., Ltd.
Darter, Wilkinson & Co.
Viscose Development Co., Ld. (Self-fixing and Airtight)

Capsuled Pills
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Capsules (various)
Denoual, Jules, & Co.
Evans Sons Lescher & Webb,
Stevenson, H. E., & Co. [Ltd.
Tyc, John, & Son
Warrick Bros. Ltd.

Cash Tills
Gledhill, G. H., & Sons, Ltd.
National Cash Register Co. Ld

Catheters
Mason Bros. & Chapman
Warne, Wm., & Co., Ltd.

Caustic Soda
Brunner, Mond & Co., Ltd.

Cements
Kay Bros., Ltd.
Mendit, Ltd.

Chalk, Precipitated
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Nichols Chemical Co., Ltd.
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Brunner, Mond & Co., Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Carnegie Bros.
Corbyn, Stacey & Co., Ltd.
Evans Sons Lescher & Webb, Ld
Greeff, R. W., & Co.
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Howards & Sons, Ltd.
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Sturge, John & E., Ltd.
Tyrer, T., & Co., Ltd.
Washington Chemical Co., Ld.
Whiffen & Sons, Ltd.
White, A., & Sons

Chewing Gum
King's Pepsin Spearmint

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Societe d'Electro-Chimie

Chloride of Lime
Brunner, Mond & Co., Ltd.

Chlorodyne
Davenport, J. T., Ltd.

Chloroform
Burroughs Wellcome & Co.
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Smith T. & H., Ltd.

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Singleton & Cole, Ltd.

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British Drug Houses, Ltd., The
Burgoyne, Burbidges & Co.
Howards & Sons, Ltd.
Pelliot Henri, & Cie
Sturge, John & E., Ltd.

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Zeal, G. H.

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O'Neil, Zetts & Co.
Seuler, Alf., & Co.

Coal Tar Specialities
Wright, Layman & Umney, Ld.

Cocoa
Cadbury Bros., Ltd.
Plasmon, Ltd.

Cod Liver Oil
British Drug Houses Ld., The
Bugge, Johann, & Co.
Evans Sons Lescher & Webb, Ld
Southall Bros. & Barclay, Ltd.
Sparks, White & Co., Ltd.
Wright, Layman & Umney, Ld

Collapsible Tubes
Betts & Co., Ltd.

Combs
Hovenden, R., & Sons, Ltd.

Condensers
Bennett, Sons & Shears, Ltd.

Confectionery, Medicated
Guest, Thos., & Co.
Pascall, James, Ltd.

Continental Props.
Bresillon, M., & Co.
Roberts & Co.
Wilcox, Jozeau & Co.

Copper Salts
Blythe, Wm., & Co., Ltd.

Coppersmiths
Braithwaite, H. & Co.

Corks
Mitchell, N. W., & Sons, Ltd.

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Solport Bros.

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Brightling, Geo. C., & Co., Ltd.

Cotton Wool Plant
Tatham, Wm., Ltd.

Coumarin
Hoffmann-La Roche Chemical Works

Counter Adjuncts
Evans Sons Lescher & Webb, Ld

Counter Specialities
Allen & Hanburys, Ltd.
British Drug Houses, Ld., The
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Hewlett, C. J., & Sons, Ltd.
Southall Bros. & Barclay, Ltd
Wright, Layman & Umney, Ld.

Counting and Filling Machine
Forgrove Machinery Co., Ltd.

Court Plaster
Solport Bros.

Cream of Tartar
Pelliot, Henri, & Cie

Creosote
Baiss Bros & Stevenson, Ltd.
Morson, T., & Son

Crepe Bandages
Gimber, W., & Son
Burge, Warren & Ridgley, Ltd.
Norwich Crepe Co. (1856), Ltd.
Wood, Vincent

Cuspidores
Taylor, Law & Co., Ld.

Cyanides
May & Baker, Ltd.

Dairy Specialities
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
Tomlinson & Hayward, Ltd.

Dental Mechanics
Fentiman, A. G
Fentiman, A. J., & Co.
Halder, E. C.
Templar Malins, Ltd.
Wardale, F. C., & Co.

Dental Tools, &c.
Edwards' Dental Mfg. Co., Ltd.

Dentifrices
Beecham, T.
Bell (John), Hills & Lucas, Ld.
Berliner, Arthur
Blackie, Robert
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd
Eucryl, Ltd.
Gosnell, John, & Co., Ltd.
Kolynos, Inc.
McKesson & Robbins
Maw, S., Son & Sons
Odol Chemical Works
Parke, Davis & Co.
Standard Tablet & Pill Co., Ld.
Woolley, J., Sons & Co., Ltd.

Developers (Photo.)
Evans Sons Lescher & Webb, Ltd.
Johnson & Sons (Mfg. Chts.) Ld

Dextrin
Fink, F., & Co.

Diabetic Foods
Scott, R. M.
Van Abbott, G., & Sons

Diamidophenol-Hydrochlor.
Greeff, R. W., & Co

Disinfectants
Baiss Bros. & Stevenson, Ltd
Burgoyne, Burbidges & Co.
Burt, Boulton & Haywood, Ld
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Ellison, Henry, Ltd.
Harker, Stagg & Morgan, Ltd.
Jeyes' Sanitary Compds. Ltd
Lysol Co.
Sanitas Co., Ltd.
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd
Wright, Layman & Umney, Ld.

Diethylbarbituric Acid
Madoery, Herm.

Digestive Products
Fairchild Bros. & Foster

Druggists' Sundries
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Berliner, Arthur
Brook, Parker & Co., Ltd.
Brytstele Manfg. Co.
Burge, Warren & Ridgley, Ld.
Burgoyne, Burbidges & Co.
Bush, H. W., & Co., Ltd.
Edwards, W., & Son
EvansSonsLescher&Webb,Ld
Hovenden, R., & Sons, Ltd
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Quelch, H. C., & Co.,
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd
Swales, Thomas
Toogood, W., Ltd.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

Drugs, Crude
Burkett, Sharp & Co.
Gathergood's Exor.
Godall Backhouse & Co.
Potter & Clarke, Ltd.
Raimes & Co.

Earthenware Jars, &c.
Fulham Pottery and Cheavin Filter Co., Ltd.

Eau de Cologne
Barnett's Perfumery, Ltd.
Bronnley, H., & Co., Ltd.
Erasmic Co., Ltd.
Gosnell, John, & Co., Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers'
Schutze, F., & Co., Ltd.
Yardley & Co., Ltd.

Educational Institutions
Bath&WestofEnglandCollege
Birmingham and Midland College
British Optical Institute
College of Preceptors
Eltt's College
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
NorthernCollegeofPharmacy
School of Pharmacy
South of England College
Westminster College

Effervescent Preps.
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Bishop, Alfred, Ltd.
Bristol-Myers Co.
British Drug Houses Ltd., The
Cupal Ltd.
EvansSonsLescher&Webb,Ld.
Guest, Thos., & Co.
Kerfoot, Thos., & Co.
Lorimer-Marshall, Ltd.
Shirley Bros., Ltd
Wright, Layman & Umney, Ld.
Wyleys, Ltd.

Elastic Hosiery
Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ld.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Wood, Vincent

Electrical Novelties
EvansSonsLescher&Webb,Ld.
Tokalon, Ltd
Ward & Goldstone
Wright, Archd. J., Ltd.

Emery and Cloth
Oakey, J., & Sons, Ltd.

Emetine Salts
Macfarlan, J. F., & Co.
Whiffen & Sons, Ltd.

Emulsifiers
Bennett, Sons & Shears, Ltd.
Boothroyd, H. T., Ltd.
Wilkinson, S. W., & Co.

Emulsions, C.L.O., &c.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Browning, Wm., & Co.
Faulding, F. H., & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hospital Requisites
Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher Fletcher & Co., Ltd.

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Warne, W., & Co., Ltd.

Epsom Salts
Blythe, Wm., & Co., Ltd.
Howards & Sons, Ltd.
May & Baker, Ltd.

Essences, Sol. and Fruit
Alliance Drug & Chem. Co.
Barnett & Foster
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Stevenson & Howell, Ltd.

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A. & Sons

Eucalyptus Oil
Allan, A. E.
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators
Forshaw, E., & Son, Ltd.

Extract of Herbs
Newball & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)
Allen, Stafford, & Sons, Ltd.
Burroughs Wellcome & Co.
EvansSonsLescher&Webb,Ld.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Factory, &c., Sites
Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Samson, Henry
Schutze, F., & Co., Ltd.

Filling Machines
Forgrove Machinery Co., Ltd.
Robert's Pat. Filling Mach Co

Flycatchers
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Tunbridge & Wright

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
British Milk Products Co., Ld
Fairchild Bros. & Foster
Fletcher, Fletcher & Co., Ltd.
Frame Food Co.
Harker, Stagg & Morgan, Ltd.
Horlick's Malted Milk Co.
Lorimer, John
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Numol, Ltd.
Plasmon, Ltd.
Sister Lauras Infant Food Co.
Southall Bros. & Barclay, Ltd.
Therapeutic Foods Co.
Wander, A., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.

Foot Appliances
Scholl Mnfg. Co., Ltd.

Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Co., Ltd.
Seabury & Johnson

Glauber Salts
Blythe, Wm., & Co., Ltd.

Glycerin
Price's Patent Candle Co., Ltd.

Glycerophosphates
Reitmeyer & Co.

Grease Paints
G. C. Syndicate, Ltd.
Quelch, Henry C., & Co.

Grease Remover
Perkin & Co., Ltd.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, F., & Co.
Kidston, W. M., & Co.

Hair Dyes
Harker, C. R., Stagg & Morgan

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Dearborn Ltd.
Edwards' "Harlene" Co.
Harrison, G. W.
Osborne, Garrett & Co.
Robare's Aureoline
Sangers
Tokalon Ltd.

Hand Carts, Trucks, &c.
Crewe & Co.

Hat Cleaners
Christy, Thos., & Co.
Milner's Chemical Co.
Senier, Alfred, & Co.

Hat Dyes
Whitaker & Co.

Herbs
Potter & Clarke, Ltd.

Hexamethylentetramine
Reitmeyer & Co.

Homœopathic Medicines
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hot Air Douches
Ward & Goldstone

Hotels
Kingsley Hotel
Thackeray Hotel

Hot Water Bottles
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Fulham Pottery & Cheavin Filter Co., Ltd.
Galen Manfg. Co., Ltd.
Ingram, J. G., & Son
Schutze, F., & Co., Ltd.
Tompkins, J., Ltd.
Toogood, William, Ltd.
Wood, Vincent

Hydrogen Peroxide
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co. Ltd.

Hypophosphites
May & Baker, Ltd.
Morson, T., & Son
Tyrer, T., & Co., Ltd.

Ink, Dichroic
Bewley & Draper, Ltd.

Ink Powder
Webster, T., & Co.

Insecticides
Christy, T., & Co.
Cook, E., & Co., Ltd.

Insect Powder
Keating, Thomas
Potter & Clarke, Ltd.
Raimes & Co.

Iodides
Morson, T., & Son

Lanoline
Burroughs Wellcome & Co.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Ransom, W., & Son, Ltd.

Lavender Water
Bush, W. J., & Co., Ltd.
Gosnell, John, & Co., Ltd.
Vinolia Co., Ltd.

Lead Salts
Blythe, Wm., & Co., Ltd.

Ligatures
Seabury & Johnson

Lime Juice and Cordial
EvansSonsLescher&Webb,Ld
Goodall, Backhouse & Co.
Idris & Co., Ltd.

Linseed, Crushed, &c.
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

Liquorice Juice
Apollo
Boehm, F., Ltd.
Droguerie & Huilerie Anversoises, Ltd.
EvansSonsLescher&Webb,Ld
Jackson, Ernest, & Co.
Solazzi

Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofahs
Hall Forster & Co., Ltd.
Internl. Sponge Importers, Ld
Solport Bros.
Swales, Thomas

Lozenges
Cartwright, W. B., Ltd.
Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Warrick Bros., Ltd.

Machinery, Pharmacal
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Forgrove Machinery Co., Ltd.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Findar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.
Allen & Hanburys Ltd.
Ayrton, Saunders & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Henry, T. & W.
Howards & Sons, Ltd.
Jennings, Thos.
Phillips, Chas. H., Chem. Co.
Tokalon Ltd.
Washington Chemical Co., Ld.
Wigglesworth & Co.

Malt Extract and Preps.
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ld., The
Burroughs Wellcome & Co.
Calder, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
EvansSonsLescher&Webb,Ld
Fletcher, Fletcher & Co., Ltd.
Lorimer Marshall, Ltd.
May, Roberts & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Smith, T. J., & Nephew, Ltd.

Manganates and Permanganates
Blythe, Wm., & Co., Ltd.

Marking Ink
John Bond ('Crystal Palace')

Measures, Graduated
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Tooth's Extract of Meat Co.

Medical Coils
Ward & Goldstone

Mercurials
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
Whiffen & Sons, Ltd.

Metal Clips
Griffin, John J., & Sons, Ltd.

Methylated Spirit
Burrough, J., Ltd.
Preston's Liverpool Distillery Co., Ld.
Randall & Son, Ltd.
Riddell & Smith
Thornley, Samuel, Ltd.

Milk Sugar
Hollandsche Melksuikerfbrik

Mineral Waters
Camwal, Ltd.
Cheltenham Natural Water Co
Idris & Co., Ltd.
Ingram & Royle, Ltd.

Mixers and Sifters
Gardner, Wm. & Sons (Glos.) Ld

Motor Carriers, Vans, &c.
Tilling, Thomas, Ltd.

Mustard Seed Oil
Johnson, J. H. & S.

Naphthalene
Burt, Boulton & Haywood, Ld.

Night Lights
Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co
Boehm, F., Ltd.
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
EvansSonsLescher&Webb,Ld
London Essence Co.
Lueders, George, & Co.
Poppelreuter W.
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ld.

Oils, Minerals, Fatty, &c.
Allen, Stafford, & Sons, Ltd.
Boehm, F., Ltd.
Price's Patent Candle Co., Ld

Ointments
Blackie, Robert
Burgess, E.
Oldfield, Pattinson & Co.

Olive Oil Soap
Boehm, F., Ltd.

Optical Goods
Darton, F., & Co.
Nitsche & Gunther Optical Co. Ltd.
Raphael's, Ltd.
Standard Optical Co.

Optical Tuition
British Optical Institute, Ld.
College of Optics
SpectacleMakers Company

Orange and Quinine Wine
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organo-Therapeutic Preps.
Duncan, Flockhart & Co.

Otto of Rose (Synth.)
Bush, W. J., & Co., Ltd.
Givaudan, L.
Kerfoot, Thos., & Co.
Stevenson & Howell, Ltd
Warrick Bros., Ltd.
Wright, Layman & Umney, Ld.

Otto Rose (French)
Gattefosse et Fils

Packed Goods
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Cartwright, W. B., Ltd.
Corbyn, Stacey & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons, & Co.
EvansSonsLescher&Webb,Ld
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer, Ltd.
Lorimer-Marshall, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd
Standard Tablet & Pill Co., Ld.
Toogood, W., Ltd.

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper
Suttley & Silverlock, Ltd.

Paper Handkerchiefs
Powell, J. T., & Co.

Paraffinum Liquidum
Browning, Wm., & Co.
Burgoyne, Burbidges & Co.
Price's Patent Candle Co., Ld.
Stern Sonneborn Oil Co., Ltd.

Pastilles
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co.
Evans Sons, Lescher & Webb, Ld.
Guest, Thos., & Co.
Kerfoot, Thomas, & Co.
Warrick Bros. Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oils
Allen, Stafford, & Sons, Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.

Perfume Materials
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Givaudan, L.
Kerfoot, T., & Co.
Lueders, George, & Co.
Naef, M., & Co., Succrs.
Wright, Layman & Umney, Ld.

Perfumes
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ld., The
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Erasmic Co., Ltd.
EvansSonsLescher&Webb,Ld
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Pazery, Richard
Potter & Clarke, Ltd.
Price's Co., Ltd.
Pritchard & Constance, Ltd.
Quelch, H. C., & Co.
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ld.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son
Yardley & Co., Ltd.

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, Ld.
Rendell, W. J.

Petroleum Jelly
Chesebrough Manfg. Co.
Kidston, W. M., & Co.
Stern Sonneborn Oil Co., Ltd

Phenacetin
Greeff, R. W., & Co.
Hoffmann-La Roche Chemical Works
Reitmeyer & Co.

Phosphorus and Preps.
May & Baker, Ltd.

Photo. Chemicals
Greeff, R. W., & Co.
Johnson & Sons (Manufactg. Chemists), Ltd.
Reitmeyer & Co.

Photo. Goods
Ayrton, Saunders & Co., Ltd
Burroughs Wellcome & Co.
Butcher, W., & Sons, Ltd.
EvansSonsLescher&Webb,Ld
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Rajar, Ltd.
Sangers
Wyleys, Ltd.

Photo. Postcards, &c.
Rajar, Ltd.

Pill Makers
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howard Lloyd & Co., Ltd.
McKesson & Robbins
Standard Tablet & Pill Co., Ld.
Wand Manufacturing Co.

Plasters
Allcock Manufacturing Co.
Berliner, Arthur
Dalmas, A. de St., & Co.
Galen Manufctg. Co., Ltd.
Seabury & Johnson

Plate Powder
Griffiths, T. D., & Co.

Pleated Paper
Darter, Wilkinson & Co.

Pocket Lamps, Electric
Ward & Goldstone

Polishes (Various)
Bradley & Bourdas
Oakey, J., & Sons, Ltd.

Postal Boxes
Robinson & Sons, Ltd.

Powder Paper
Lorimer, Marshall, Ltd.
Prichard & Constance, Ltd.

Printers
Ford, Shapland & Co.
Suttley & Silverlock, Ltd.
Townsend, J., & Sons
Waide, T., & Sons
Wilkinson, James F.

Proprietary Articles
Anglo-Amer. Pharm. Co., Ltd
Ashton & Parsons, Ltd.
Beecham, T.
Bell (John), Hills & Lucas, Ltd.
Bow's Liniment, Ltd.
Bresillon, M., & Co.
Browning, W., & Co.
Burgess, E.
Christy, T., & Co.
Cockle, James, & Co.
Coleman & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Cupal, Ltd.
Daisy, Ltd.
Davenport, J. T., Ltd.
Dearborn Ltd.
Delons, Ltd.
De Roos, Johnson & Co.
Duncan, Flockhart & Co.
Edwards, W., & Son
EvansSonsLescher&Webb,Ld
Expurgo Manfg. Co.
Fellows' Med. Manfg. Co.
Fennings, Alfred
Ferris & Co., Ltd.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Harrison, Geo. W.
Henry, T. & W.
Hommel's (Dr.) Hæmatogen
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Kybo Proprietary, Ltd.
London Proprietary Co.
Martindale, W.
May, Roberts & Co., Ltd.
Midland Drug Co.
Mumford, G. S., & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd
Owbridge, W. T., Ltd.
Phillips, Chas. H., Chem. Co.
Pneumosan Company
Primer, J.
Resinol Chemical Co.
Sanalak, Ltd.
Sanatogen Co.
Sangers
Sargol Co.
Scott & Bowne, Ltd.
Squire & Sons, Ltd.
Standard Tablet & Pill Co., Ld.
Thompson & Capper, Ltd.
Tokalon Ltd.
Tunbridge & Wright
Wander, A., Ltd.
Warrick Bros. Ltd.
White, A. J., Ltd.
Willcox, Jozeau & Co.
Woodward, W., Ltd.
Wright & Co.
Wright, Layman & Umnsy, Ld.

Puffs
Solport Bros.

Pyrogallic Acid
Greeff, R. W., & Co.

Quinine and Salts
Alliance Drug & Chem. Co.
Bandoeng Quinine Factory
Corbyn, Stacey & Co., Ltd.
Greeff, R. W., & Co.
Howards & Sons, Ltd
Reitmeyer & Co.

Razors
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Wright, Archd. J., Ltd.

Rennet Essence, Powder, &c.
Lorimer-Marshall, Ltd.

Resins and Resinoids
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Morson, T., & Son
Ransom, W., & Son, Ltd.
Smith, T. & H., Ltd.

Respirators
Zimmer & Co.

Rubber Goods
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd.

Rubber Stamps
Richford, C. D.

Salicylic Acid and Salicylates
Bush, W. J., & Co., Ltd.

Santonin
Smith, B. A., & Co.

Saponin
Field, C. W.

Scientific Apparatus
Perken, Son & Co., Ltd.
Pillischer, J.
Reynolds & Branson, Ltd.

Sea Salt
Tidman & Son, Ltd.

Seed Dressing
Hawker, Arthur E.
Tomlinson & Hayward, Ltd.

Seeds
Potter & Clarke, Ltd.

Serums and Antitoxins
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co., Ld.
Evans Sons Lescher & Webb, Ld
Mulford, H. K., Co.
Parke, Davis & Co.
Willcox, Jozeau & Co

Shampoo Powders
Standard Tablet & Pill Co., Ld.

Shares
McAdam & Tuckniss

Sheep Dips
Burt, Boulton & Haywood, Ld.
Tomlinson & Hayward, Ltd.

Shop Fittings
Ayrton-Graham, Ltd.
Cook, George
Evans Sons Lescher & Webb, Ld
Edmonds, A., & Co., Ltd.
Farley & Co.
Grant, D.
Harris & Sheldon, Ltd.
Josephs, Philip, & Sons, Ltd.
Maw, S., Son & Sons
Mills, H.
Parnall & Sons
Ruddock & Co.
Sangers

Shoulder Straps
Wood, Vincent

Signs, Electric, &c.
Universal Sign Works

Soap-making Plant
Forshaw, E., & Son, Ltd.

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell (John), Hills & Lucas, Ld.
Bronnley, H., & Co., Ltd.
Calvert, F. C., & Co.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Euceryl, Ltd.
Evans Sons Lescher & Webb, Ld
Ewen, James, & Sons
Faulding, F. H., & Co.
Field, J. C. & J., Ltd.
Fulford, C. E., Ltd.
Gosnell, John, & Co., Ltd.
Harrison, G. W.
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McClintons, Ltd.
Pears, A. & F., Ltd.
Price's Patent Candle Co., Ld.
Resinol Chemical Co.
Wright, Layman & Umney, Ld.

Sodium Bicarbonate
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.

Soothers
Newbery, F., & Sons, Ltd.
Schutze, F., & Co., Ltd.

Spectacles
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther Optical Co., Ltd.

Spermaceti
Price's Patent Candle Co., Ld.

Sphygmometers
Hicks, James J.

Spices (Ground)
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.

Spirit of Wine
Burrough, J., Ltd.
Calder, James, & Co., Ltd.
Preston's Liverpool Distillery Co., Ltd.

Sponges
Internl. Sponge Importers, Ld.

Sprays
Benton & Stone, Ltd.
Burge, Warren & Ridgley, Ltd.
Christy, Thos., & Co.
Hovenden, R., & Sons, Ltd.
Marvel Company
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Toogood, Wm., Ltd.

Sprinkler Corks
Betts & Co., Ltd.
Brooks, Peel & Co.

Spruce Beer
Hobson, Joseph, & Son

Starch
Corn Products Co., Ltd.
Mumford, G. S., & Sons

Stills
Bennett, Sons & Shears, Ltd.
Forshaw, E., & Son, Ltd.
Stokes, F. J., Machine Co.

Stoppers
Stipendum Stopper Co.

Surgical Appliances & Dressings
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Berliner, Arthur
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Bush, Henry W., & Co., Ltd.
Carnegie Bros.
Dalmas, A. de St., & Co.
Darton Gibbs Co.
Galen Manfg. Co., Ltd.
Gimber, W., & Son
Haynes, G., & Co.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Marvel Company.
Mason Bros. & Chapman
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Reynolds & Branson, Ltd.
Robinson & Sons, Ltd.
Seabury & Johnson
Southall Bros. & Barclay, Ltd.
Thermogene Co., Ltd.
Van Horn & Sawtell
Vernon & Co., Ltd.
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley J., Sons & Co., Ltd.

Suspensory Bandages
Bailey, W. H., & Sons

Syphons
Farnett & Foster
Camwal, Ltd.
Idris & Co., Ltd.
Pure Aeration Supply, Ltd.
Sharman's Pat. Syphon Co., Ld.

Syringes
Bush, H. W., & Co., Ltd.

Syrups, Medicinal
Fellows' Med. Mnfg. Co.
Sinalco Co.

Tablet Machinery
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Tablets, Compressed
Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
British Drug Houses, Ld., The
Brook, Parker & Co. Ltd.
Burgoyne, Burbidges & Co.
Cartwright, W. B., Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb, Ld
Guest, Thos., & Co.
Howards & Sons, Ltd.
Jackson, Ernest, & Co.
Johnson & Sons (Mfg. Chts.).
Lloyd, H., & Co., Ltd.
Parke, Davis & Co.
Standard Tablet & Pill Co., Ld.
Thompson & Capper, Ltd.
Wand Manfg. Co.
Wigglesworth & Co.

"Tabloid" Products
Burroughs Wellcome & Co.

Tartaric Acid
British Drug Houses, Ld., The

Tartars
Prescott & Co.

Tea
Christy, Thos., & Co.

Teats
Ingram, J. G., & Son

Theobromin
Schuller, Emil, & Co., A. G.

Tin Box makers
Briton Ferry Canister Co., Ld.
Goodall, Backhouse & Co.
Liverpool Tin Canister Co., Ltd.
Shirley Bros., Ltd.

Tin Salts
Blythe, Wm., & Co., Ltd.

Tinctures in Bond
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.

Tobacco
Singleton & Cole, Ltd.

Toilet Paper
Ayrton, Saunders & Co., Ltd.
Burgoyne, Burbidges & Co.
Ford, Shapland & Co.
Townsend, J., & Sons

Trade Marks Agents
Barker, R. W.
Ford, Shapland & Co.
Raworth, John E.

Trusses
Bush, H. W., & Co., Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Sangers
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

Tubes, Glass
Williams, Edmund, & Co.

Vacuum Pans
Bennett, Sons & Shears, Ltd.

Valuers
Baker, P. C.
Berdoe & Fish
Brett & Co.
Orridge & Co.
Tomlinson, T., & Son

Vanillin
Greeff, R. W., & Co.

Vaseline
Chesebrough Manfg. Co.

Vermin Killers
Christy, T., & Co.
Cupal, Ltd.
Danysz Virus, Ltd.
Evans Sons Lescher & Webb, Ld
Farmer, F., & Co.
Harley, Thomas
Harrison, G. W.
Hawker, Arthur E.
London Hygienic Chem. Co.
Milner's Chemical Co.

Veterinary Instruments
Mason Bros. & Chapman
Maw, S., Son & Sons

Veterinary Remedies
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Day & Sons (Crewe)
Dennis, John W.
Edwards, W. & Son
Harvey & Co. (Dublin), Ltd.
Senier, Alf., & Co.
Tomlinson & Hayward, Ltd.
Wyleys, Ltd.

Vinegar
Grimble & Co.

Water Glass
Barclay & Sons, Ltd.
Tomlinson & Hayward, Ltd.

Water Still
Brown & Sons
Stokes, F. J., Machine

Waters, Concentrated
Robinson, B., & Co., Ltd.

Waxes
Boehm F., Ltd.
Price's Pat. Candle Co.

Weed Killers
Harrison, G. W.
Tomlinson & Hayward, Ltd.

Window Fittings
Ayrton-Graham, Ltd.

Window Tickets
Merten, F., & Co.

Wines, Medicated
Burrough, J., Ltd.
Burroughs Wellcome & Co.
Coleman & Co., Ltd.
Fletcher, Fletcher & Co., Ltd.
Idris & Co., Ltd.
Robinson, B., & Co., Ltd.

Wines (Non-Alcoholic)
Welsh Grape Juice Co. Ltd.

Wrapping Machinery
Forgrove Machinery Co., Ltd.

Wrist Straps
Solport Bros.

Zinc Oxide
Hubbuck, T., & Son, Ltd.
Stevenson, H. E., & Co.

OLDFIELD, PATTINSON & Co.

TELEGRAMS:
"OPIUM MANCHESTER."

A RELIABLE HOUSE FOR
All Pharmaceutical Preparations.
CONCENTRATED WATERS
CONCENTRATED INFUSIONS.

B.P. Tincture. **OPIUM** Aqueous Tincture.

Syr. Glycerophosph. Co.

LIQUID EXTRACTS.
LEVIGATED OINTMENTS
ESSENTIAL OILS.

"Silver Churn" Dairy Specialities.

Special Prices to Large Buyers. Write for List.

MANCHESTER.

Patriotism and Profits

In making your arrangements to meet the present natural determination of all true Britons to insist upon goods of British manufacture—remember that McClinton's Soaps and Toilet Preparations are owned and manufactured entirely by loyal subjects of His Majesty, and that it will be the endeavour of the proprietors to "carry on as usual" a business upon which the inhabitants of Donaghmore are almost entirely dependent. Remember, too, that the profits to yourself in handling McClinton's products are *above* the average. Their unique qualities alone have won an increasing popularity throughout the Empire for

McClinton's Colleen Soap and Toilet Preparations

FREE FROM ANIMAL MATTER OR MINERAL SODA.

Used and recommended by some 200 members of the British Aristocracy, and our guarantee of satisfaction or money refunded covers every preparation we manufacture.

LORD ROBERTS and LORD CHARLES BERESFORD use and recommend McClinton's Shaving Soaps.

McClinton's "Colleen" Soap, box of 3 cakes, 1/-. McClinton's Toilet Cream, 1/-. McClinton's Talcum Powder, in tins, 9d. McClinton's Tooth Powder, in tins, 6d. McClinton's "Hibernia" Shaving Stick, 1/-. McClinton's Shaving Cream, in opal jars, 6d. and 1/-. McClinton's "Colleen" and "Sheila" Perfumes, 1/-, 1/6, 2/6, and 4/-. McClinton's "Colleen" Shampoo, Wet or Dry, 2d. a packet, 7 for 1/-.

Write To-day for Price List and Trade Terms.

McClinton's, Ltd., Donaghmore, Ireland

Big Increase in the demand for GOSNELL'S

Specialities coming at once.

JOHN GOSNELL & CO., Ltd., are launching a selling plan which will create immediate and persistent demand throughout the Kingdom for all of the Gosnell branded lines.

Full Particulars in Next Week's Issue.

Widespread interest will be created at the outset by the use of a whole front page of the "Daily Mail," on Thursday, November 12.

To enable chemists to cope with this demand *instantly*, assorted parcels are being supplied as per attached list at a total wholesale net price of £3 0*s.* 10*d.* for usual cash terms at 30 days.

	ASSORTED PARCELS.			Our Inv. Cost. s. d.	Selling Cost. s. d. each	Pro. Price. s. d.
½ doz.	Society Eau de Cologne	No. 106	10/-	5 0	1 0	6 0
½ ,,	ditto	,, 107	20/-	10 0	2 0	12 0
½ ,,	Real Old English Lavender	,, 115	13/6	6 9	1 6	9 0
½ ,,	ditto	,, 116	26/-	6 6	2 9	8 3
½ ,,	Cherry Blossom Perfume	,, 15	18/-	9 0	1 10	11 0
½ ,,	Cherry Tooth Paste'	,, 414	13/6	3 4½	1 3	3 9
½ ,,	ditto	,, 414½	9/-	2 3	0 10	2 6
½ ,,	ditto	,, 411	5/-	2 6	0 6	3 0
½ ,,	ditto	,, 412	9/-	4 6	0 10	5 0
					Box	
½ ,,	Cherry Blossom Soap	,, 583	4/6	2 3	1 3	2 6
½ ,,	ditto (Milled)	,, 534	4/6	2 3	1 3	2 6
½ ,,	Famora Soao	,, 570	4/6	2 3	1 3	2 6
½ ,,	Society Cologne Soap	,, 558	4/6	2 3	1 3	2 6
½ ,,	Shaving Sticks	,, 598	7/6	3 9	0 10	5 0
½ ,,	C.B. Talcum Powder	,, 348	5/6	2 9	0 9	4 6
½ ,,	C.B. Toilet Powder	,, 373	4/6	2 3	0 5	2 6
				£3 7 7½		
		Discount 10%		6 9½		
				£3 0 10		
		Profit 35½%		1 1 8		
				£4 2 6		£4 2 6

Order at least one parcel immediately from your wholesaler so as not to lose any of your local demand.

John Gosnell & Co., Ltd., Blackfriars Rd., London, S.E.

SOME OF THE "VASELINE" SPECIALITIES AND THEIR PRICES.

Yellow.

PENNY TINS	7/- per gross.
TWOPENNY TINS	13/- ,,
Blue Seal — No. 1 size, in boxes of 1 gross ...	18/6 ,,
,, 1 ,, ,, 3 dozen ...	18/9 ,,
,, 2 ,, ,, 1 ,, ...	37/- ,,
Collapsible tubes, No. 1 size, 2/6. No. 2 size, 5/- doz.	
No. 1 size, bottle, in cardboard case ...	3/- per doz.
,, 2 ,, ,, ,, ,, ...	5/- ,,
½-lb. tins, round	6/3 ,,
1 ,, ,, square	10/6 ,,
5 ,, ,, ,, ...	30/- ,,
10 ,, ,, ,, ...	5/- per tin.
25 ,, ,, ,, ...	12/- ,,
50 ,, ,, ,, ...	23/- ,,

White.

Twopenny Tins (three doz. in box) ...	13/6 per gross.
Collapsible tubes, No. 1 size	3/4 per doz.
,, ,, ,, 2 ,, ...	5/3 ,,
Blue Seal, in bottle, carton	3/6 ,,
No. 1, 3-oz. size, in cartons	6/- ,,
,, 2, 6-oz. ,, ,, ...	10/- ,,
½-lb. tins, round ,, ...	10/- ,,
1 ,, ,, square ,, ...	17/- ,,
5 ,, ,, ,, ,, ...	60/- ,,
10 ,, ,, ,, ,, ...	9/3 per tin.
25 ,, ,, ,, ,, ...	22/- ,,
50 ,, ,, ,, ,, ...	41/6 ,,

Red or Veterinary.

½-lb. tins, round	4/- per doz.
1 ,, ,, square	6/8 ,,
5 ,, ,, ,, ...	22/- ,,
10 ,, ,, ,, ...	3/6 per tin.
25 ,, ,, ,, ...	7/6 ,,
50 ,, ,, ,, ...	13/4 ,,
Half-barrels, about 1½ cwt.	28/- per cwt.
Barrels, about 3 cwt.	24/6 ,,

Carbolated-Veterinary.

1-lb. tins	7/- per doz.
5 ,, ,, ...	2/- per tin.
10 ,, ,, ...	3/8 ,, ,,

Sulpho for Dogs.

In jars	9/3 per doz.
In 5-lb. tins	4/8 each.
10-lb. tins	8/- each.

White Liquid Petroleum.

No. 0 size bottle	8/3 per doz.
,, 1 ,, ...	16/6 ,,
,, 2 ,, ...	24/9 ,,
1 gallon cans	10/4 per tin.

Analgic	9/- per doz. tubes.	
Borated	4/6, 7/6	,,
Camphorated	5/-, 7/6	,,
Capsicum ...	5/7, 9/-	,,
Carbolated ...	4/3, 7/6	,,
Mentholated	5/7, 9/-	,,
Oxide of Zinc	5/7, 9/-	,,

Collapsible tubes, including Government Stamp.

Perfumed White.

Collapsible Tubes	4/3
No. 1 (bottle in carton)	8/3 per doz.
,, 2 size, handsome bottle in carton, with glass stoppers	12/6 ,,

Hair Tonic.

No. 1 size	8/3 per doz.
,, 2 ,, ...	17/6 ,,

Pomade.

Blue Seal — No. 1 size, in boxes of 1 gross ...	20/- per gross.
,, 1 ,, ,, 3 dozen ...	20/6 ,,
,, 2 ,, ,, 1 ,, ...	62/- ,,
Collapsible Tubes	2/9 per doz.
No. 1 size, bottle, in cardboard case ...	3/10 ,,
,, 2 ,, ,, ,, ,, ...	7/9 ,,
White and Quinine Pomade	8/3 ,,

Perfumed Oil.

One size, in bottles (for the Hair) ... 6/9 per doz.

"Vaseline" Soaps.

UNSCENTED.

3d. tablets, boxes of ½ doz. tablets, 27/- per gross tablets.

PERFUMED.

3d. tablets, boxes of ½ doz. tablets, 27/- per gross tablets.

SUPERFINE.

Delicately perfumed, box of 3 tablets, 5/- per doz. tablets.

TAR.

3d. tablets, boxes of 6 tablets ... 27/- per gross tablets.

"VASELINE" is the Registered Trade Mark of the

CHESEBROUGH MANUFACTURING CO.,

(CONSOLIDATED) NEW YORK,

42 HOLBORN VIADUCT, LONDON, E.C.

Complete Price List sent on application.

FOOT COMFORT FOR SOLDIERS.

S. MAW, SON & SONS
7 to 12, ALDERSGATE ST.
LONDON, E.C.

Maw's Page.

No. 159 OCT. 31, 1914

ANOTHER POPULAR "WAR LINE."

'ACTIVE - SERVICE' FOOT POWDER

The lilt of the finest song produces no lasting assistance to the progress of the soldier whose feet are sore and tender. A tin of our Active-Service Foot Powder should be in every kit. The powder is antiseptic, agreeably perfumed, and extremely fine, allowing it to penetrate through the sock.

22/- PER GROSS USUAL DISCOUNT

The tins are attractively printed, as illustrated, and with every order we supply a handsome showcard executed in 2 colours, and measuring $9\frac{3}{4}'' \times 8''$.

For a really "topical" display Pharmacists cannot do better than stock our Active-Service Foot Powder.

CAPSULES!

In stamped metal boxes with divisions containing 12 and 24 capsules.

AMMONIATED QUININE CAPSULES (each equal to one fluid drachm of ammoniated tincture of quinine), 3/9 and 7/- per dozen boxes.

AMMONIATED QUININE & CINNAMON CAPSULES (each equal to one fluid drachm of ammoniated tincture of quinine with the addition of one minim of cinnamon oil), 4/- and 7/9 per dozen boxes.

The above are details, illustrated in Maw's Page (Oct. 17), of our new lines of capsules just introduced. We wish to emphasise the fact that the quinine contained in each capsule is British made, the cinnamon oil English distilled, the boxes, with metal divisions, are of home manufacture, and the showcards printed in the provinces.

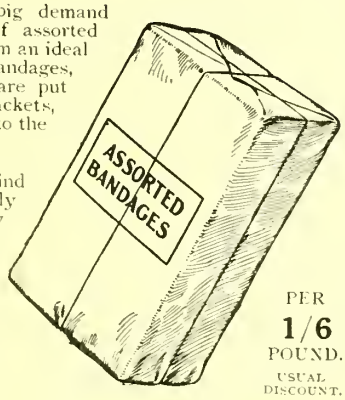
OUR NEW BRITISH MADE LINES.

ASSORTED BANDAGES

ANOTHER SALEABLE LINE

We can record a big demand for these packets of assorted bandages. They form an ideal "gitt" line. The bandages, of various widths, are put up in 2 lb. and 4 lb. packets, containing about 25 to the pound.

We would remind those who have already ordered a supply that "Maw's Page" of October 10, when mounted on brown paper, forms a valuable window bill. Another hint: A window display will be made doubly attractive if a packet is opened to exhibit contents.



PER **1/6** POUND. USUAL DISCOUNT.

In 2 lb. and 4 lb. Bags.

NOTES & NEWS

The following, culled from the *Tatler* of August 24, 1710, is a memento of less strenuous times, and reveals the art of advertising as practised over 200 years ago:—

* * * *

"Whereas J. Moore, at the Pestle and Mortar, in Abchurch Lane, London, having had some extraordinary business which called me into the country for these five or six weeks last past, and finding I have been very much wanted in my absence by the multitude of people who came to inquire for me; these are to inform them that I am returned, and am to be consulted with at my house as formerly."

* * * *

There is an old-world charm about this quaintly worded advertisement of a bygone era. We can only guess at the "extraordinary business" which detained the worthy gentleman in the country. We admire the patience of the multitude of people who waited for five or six weeks in order to consult the author; no doubt they were rewarded by the attention ultimately received from such an important man as Mr. J. Moore may be pardoned for assuming himself to be.

* * * *

Despite the shortcomings of this announcement, it is suffused with a valuable and delightful *personal* note so often found lacking in modern advertising.

Telegrams:
GREEFF, CANNON, LONDON.
Telephone:
8600 CITY (4 LINES.)

THAMES HOUSE,
QUEEN STREET PLACE,
LONDON, E.C.

R. W. Greeff & Co. have the pleasure to announce that they have succeeded in purchasing from their friends in

FRANCE HOLLAND
SWITZERLAND UNITED STATES

SUPPLIES OF VARIOUS

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

Whilst the purchase prices have been largely increased since the outbreak of war, quotations will be found reasonable under present conditions.

Enquiries are invited for the following:—

ACETANILID
ACETYL SALICYLIC ACID
BENZOIC ACID EX GUM
BROMIDE OF POTASSIUM
BROMIDE OF SODIUM
BROMIDE OF AMMONIUM
CINCHONINE MURIATE
CINCHONIDINE SULPHATE
COUMARIN CRYSTALS
DIAMIDOPHENOL HYDROCHLOR
FORMALDEHYDE
GLYCERINE
GUAIACOL CARBONATE
HELIOTROPIN
HYDROQUINONE
ISAROL
LITHIA CARBONATE
LITHOL
MERCURIALS
PEPPERMINT OIL
PEPSINE
PHENACETIN
PHENAZONE
PYROGALLIC ACID RESUBLIMED
PHENOLPHTHALEIN
POTASSIUM SULPHO-GUAIACOLATE
SALOL
SUGAR OF MILK
THEOBROMINE PURE ALKALOID
VANILLIN
WINTERGREEN ARTIFICIAL OIL

R. W. GREEFF & Co. *THAMES HOUSE, QUEEN ST. PLACE, LONDON, E.C.*

QUININE

MAARSSEN

BRAND

ESTABLISHED 1903.

Sole Sales Agents: R. W. GREEFF & Co.,
THAMES HOUSE,
QUEEN STREET PLACE,
LONDON, E.C.

The MAARSSEN FACTORY (situated near UTRECHT) in Holland, has at present the largest production in Europe of

QUININE AND QUININE SALTS

The QUALITY, CRYSTALLISATION, and COLOUR of their production are the highest attained.

Supplies are available to the Trade.

Hitherto most of the output has been absorbed by a limited number of buyers who recognised its superiority and uniformity.

Prices and samples on application.

There are Perfumes and Perfumes

but nothing to surpass the famous

Eau de Lubin

(THE QUEEN OF TOILET WATERS).

No. 500. ... 2/9 size.
EAU de LUBIN.

We also stock in London:

MYRTIDA, MUGUALBA, GERAROSE, VIOLALBA, OEILLET-SOLEIL, KIGRIZ, SOLA-MIA, ENIGMA.

All the above are on the P.A.T.A. Show Good Profits.
Elegantly put up. Sell themselves if displayed.

PARFUMERIE LUBIN of PARIS. WE INVITE YOU TO WRITE TO OUR REPRESENTATIVE IN LONDON—

Tel. No. 2612 Cen. *Richard Pazery, Camomile St. Chambers, London, E.C.*

GREASE PAINTS

(CLAIRE'S)

We have been successful in manufacturing a line of Grease Paints in every way equal to the line of foreign paints which have so long held the market. Colours and Numbers are exactly the same. They have been thoroughly tested by eminent members of the Theatrical profession with most satisfactory results.

All Colours, 3/6 per doz.
Lining Pencils, 2/9 per doz. Lining Pencils (short), 2/- per doz.

Now is the time to give English Grease Paints a trial. Send us a sample order for 1 dozen which we will send post free on receipt of postal order, or they can be ordered through any Wholesale House.

HENRY C. QUELCH & CO., 4 LUDGATE SQUARE, LONDON, E.C.

Genuine
and Guaranteed Pure
FRENCH OTTO of ROSE.
PER OZ.:-36/3d
(OUR OWN DISTILLATION)
Gattefossé et Fils
19, Rue Camille, Lyons.
(FRANCE)

London Agent: Mr. WALTER ELLIS,
116 Devonshire Road, Forest Hill, S.E.

Our
ROSE, JASMIN & NEROLI
Synthetics
can be used in the place of the Natural Oils to great advantage, at a much cheaper cost.

BLUE BAND BRAND
SICILIAN ESSENTIAL OILS,
guaranteed absolutely pure, from our own works in Messina.

DIRECT IMPORTERS OF
FINEST VALENCIA SAFFRON,
guaranteed genuine B.P.

SAMPLES AND PRICES ON APPLICATION.

FELICE BONAVENTURA & CO.,
98 Great Tower Street, LONDON, E.C.
Telephone No.: Avenue 2743.
Telegraphic Address: "Felibona London."
Ask for General Price List.

EVERY GENUINE PACKAGE

BEARS THIS LABEL

EWEN'S LARD
is the
ONLY LARD
that
is made exclusively for pharmaceutical and Perfumery preparations and is the
BEST AND MOST RELIABLE
Guaranteed B.P. Lard on the Market.

FOLDING BOXES

¶ WHILST BUSINESS IS DULL, TRY TO ENLIVEN IT BY BRIGHTENING UP THE APPEARANCE OF YOUR PACKED GOODS.

¶ PACKED IN OUR FOLDING BOXES, GOODS HAVE THAT DISTINCTIVE APPEARANCE WHICH HELPS THE SALE.

¶ WE CATER FOR ALL TASTES, WE CAN SUPPLY ANY QUALITY, STYLE OR FINISH; PLAIN, PRINTED OR LITHOGRAPHED.

¶ TELL US YOUR REQUIREMENTS, AND WE SHALL BE GLAD TO OFFER YOU SOMETHING SUITABLE.

ROBINSON & SONS, LTD.
BOXMAKERS TO THE CHEMIST TRADE.
CHESTERFIELD.

Lysol

MADE IN ENGLAND

ON THE

P.A.T.A.

NO CHANGE IN PRICE

Packages and sizes just the same.

Retailed in bottles at

7½d., 1/-, 1/9 and 3/- each.

CHAS. ZIMMERMANN & CO. (CHEMICALS) LTD., 9 & 10 St. Mary-at-Hill, LONDON.

6d.

Make your old Hat a new one.

In bottles, 6d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS.

NO POLISH.

On the P.A.T.A.

Write for terms, patterns, also leaflet of testimonials.

"Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.

London Depot: 60-62 Clerkenwell Road, E.C.

Glossy "Series supplied if desired.

Special Non-Inflammable Series for Export. *Est. 1878.*

Telegraphic Address: "Dullette Kendal." Telephone: No. 214.

TOOTH BRUSHES

We are introducing 2 special Cases of 3 dozen Assorted Tooth Brushes as described below.

No. 346. Bone Handles, 1 doz., each **3d.**, **4½d.** and **6d.** (or **4d.**, **6d.** and **9d.**) Special price per case **7/6**.

No. 469. Celluloid Handles in assorted colours, Amber, Orange, Pearl, White. 1 doz., each to retail **4d.**, **6d.** and **9½d.** (or even **6d.**, **9d.** and **1/-**). Special price per case **11/-**.

In view of the difficulty of obtaining supplies—these cases are worth more than the price asked for them.

Usual terms, 5% Monthly A/c.

F. NEWBERY & SONS, Ltd.

27 & 28 Charterhouse Square, LONDON, E.C.

Business as usual

Business as usual

"ERASMIC"
Eau de Cologne

Retail Prices:
1/3 2/3 3/6
No Cutting.

Don't support the Common Enemy by buying German Eau de Cologne.
"ERASMIC" IS BRITISH AND BEST.

Retail Prices:
1/3 2/3 3/6
No Cutting.

REFRESHING AND LASTING

ELEGANT SHOWCARDS FREE.

TRIAL SAMPLE ON APPLICATION.

ERASMIC,
Perfumers,
LONDON. PARIS.

The number of dentifrices is myriad, their names are legion.
But—
in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.
Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, *London, Eng.*

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, *London.*

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A plan.

McKESSON & ROBBINS, New York, U.S.A. *Manufacturers.*
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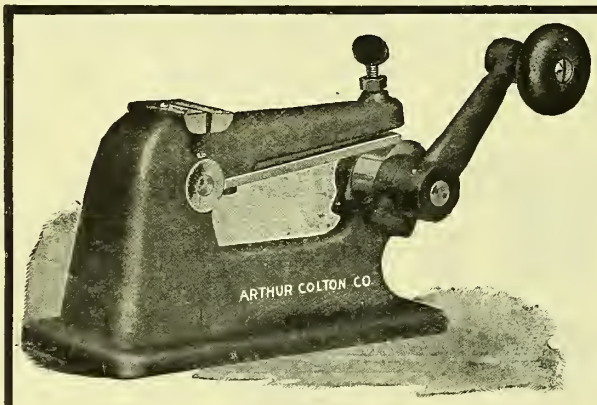

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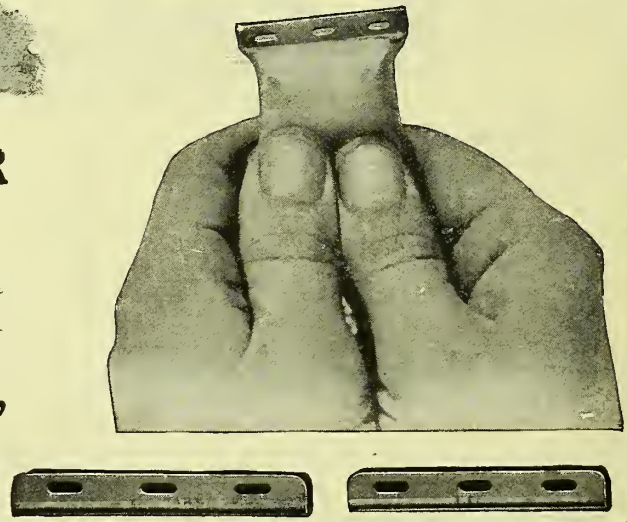

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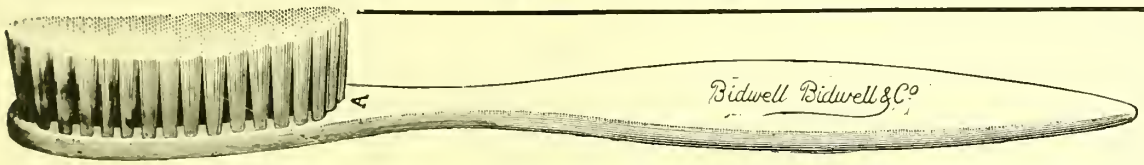

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In the Coloured Supplement.

A Slander Action
Chemical Society
Coming Events
Company News
French News
Personalities
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SUMMARY.

Java is now making cocaine for exportation only (p. 37).

Mr. Charles W. Martin, of Maw's, died on Monday (p. 41).

An unstamped-medicine case is reported in the Supplement.

John Sykes and John Bee get our "Corner for Students'" prizes this month (p. 36).

More than 1,600 names have appeared in our Pharmaceutical Roll of Honour (p. 34).

France is sequestrating German property there as so much to account of the war indemnity (Col. Supp.).

A slander action, Andrew *v.* The United Drug Co., promises to be interesting. See the Coloured Supplement for the first report.

The legal cases are interesting and numerous, especially one on the presence of starch in tannic-acid lozenges (p. 40). We also report a French application for use of the salvarsan and neo-salvarsan patents (p. 40)

The representatives of the British Medical Association and of the Pharmaceutical Society did not approve of the stock-mixture clause, protests against which are general (p. 42 to p. 47). We rediscuss the matter on p. 49, and add particulars of the Commissioners' agreement extending the list of war-affected drugs on which extra will be paid.

With very fair arrivals of chemicals and drugs, most of the price-changes again tend downwards, these including cream of tartar, citrates and tartaric acid, Cape aloes, quicksilver, lime and lemon oils Caffeine and salts, crude antimony, dragon's-blood, and bismuth salicylates have advanced Tinnevelly senna at auction was bought in at extremely high rates (p. 56).

Known, Admitted, and Approved Remedies.

Any subscribers who desire to have their formulas for "Known, Admitted, and Approved Remedies" published in *The Chemist and Druggist Diary* 1915 are requested to send them to the Editor as soon as possible.

European War.

Belgian Refugees.—We are still having visits from Belgian pharmacists who have had temporarily to leave their own country, and are at present our honoured guests. A day or two ago a well-known pharmacist in Southend wrote to us offering a situation and a flat over his shop to a Belgian pharmacist who is married but has no children. By a singular coincidence we had by the same post an urgent appeal from a Belgian pharmacien refugee to find some employment for him in or near London. He is married, his wife is with him, both having to flee from Belgium after the destruction of his pharmacy at Dinant. We promptly put our two correspondents in communication. Mr. Harold Lumley, pharmacist, Wanstead, N.E., is interesting himself on behalf of a Belgian *confrère*, who can speak no English, and for whom he wishes to obtain some employment. If any of our readers can assist, please write to Mr. Lumley direct or to us. The search for Belgian glass-blowers experienced in the production of beakers, flasks, and scientific glassware is still proceeding. The matter is one of considerable difficulty, however, as the War Refugees Committee are so overwhelmed with work that they have been unable so far to sort the refugees out into trades. That the want is urgent is shown by the fact that on Friday, October 23, we had a telegram from a well-known house specialising in scientific appliances asking if we could supply a glass-blower yet. At the moment we cannot, but the search is proceeding systematically. A young pharmacist refugee, with a diploma from Louvain University, also wants work in a pharmacy or laboratory. (See also Personalia.) We invite the assistance of *C. & D.* readers for the refugees.

Sugar: Further Government Action.

The Royal Commission on the Sugar Supply decided that from October 26 the scale of prices on which its sugars are issued to the public and to refiners shall be lowered. A reduction was made of 2*s.* 6*d.* per cwt. on the present gross wholesale price of 30*s.* per cwt. for good granulated. This will allow of a corresponding reduction in the maximum retail prices of sugar, which are now 3½*d.* per lb. for good granulated and 4*d.* per lb. for good cubes.

A Proclamation was published in a supplement to the "London Gazette" on the same date, revoking one of September 30, and substituting the following provisions:

The importation into the United Kingdom of all sugar is hereby prohibited, provided that the foregoing prohibition shall not extend to sugar (not being raw or refined sugar made or produced by an enemy or in an enemy country, or refined sugar made or produced from raw sugar made or produced by an enemy or in an enemy country): (*a*) Cleared from the port of shipment to this country on or before October 26, 1914; (*b*) imported under contract made prior to August 4, 1914. Nothing in this Proclamation shall be taken to prohibit anything which shall be expressly permitted by our licence, or by the licence given on our behalf by a Secretary of State or the Board of Trade.

The effect and object of this Proclamation are to exclude German beet sugar. Our enemies are extremely desirous of unloading their stock upon us and getting our money for it, but the British Government has ensured very large supplies which make us independent of Germany. In this regard an official statement has been issued, in which it is said:

"German and Austrian sugar may not be imported here under its true colours; but if it be first exported to a neutral country, and then re-exported from the neutral country to Great Britain, it passes as innocent, and the British purchasers unconsciously give vital assistance to German trade. Already advices have been received that bids for German sugar are being greedily sought in neutral countries. Even if this enemy sugar did not come back to this country—though there is good reason to believe that this traffic has in fact begun—it would set free a corresponding amount of sugar in the neutral country, which might be shipped to the United Kingdom. In the first case we should be buying enemy sugar itself; in the second we should be buying enemy sugar at one remove. The only ultimate big market for this sugar is the United Kingdom, and nothing less than the total prohibition of the import of

sugar into this country will hinder the German and Austrian export."

Germany's total exports of sugar in 1913 were valued at 13,250,000*l.*, and Austria's at 11,795,000*l.*, and 15,150,000*l.* worth was shipped to Great Britain.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—Cicero.

The lists of men connected with the retail, manufacturing, and wholesale sections of the drug-trade which we print to-day make the number so far 1,615, of whom 521 are associated with the retail. Space forbids us saying anything more about these figures now, except that they are an excellent demonstration of the patriotic spirit of British pharmacy and its allies.

Adams, Robert (apprentice with C. & O. Rowland, chemists and druggists, Edinburgh), Lothians and Border Horse.

Austin, S. (with Mr. A. B. Martin, chemist and druggist, Loughborough), Kitchener's Army.

Bloom, B. (with Mr. Chas. Hare, chemist, Southport), 7th Batt. King's Liverpool Regiment.

Boyce, John Henry, son of Mr. Henry Boyce, of B. A. Smith & Co., London, Buckinghamshire Yeomanry.

Brown, George H., Manchester, 6th Batt. Manchester Regiment.

Burgess, J. W., son of Mr. J. Burgess, chemist and druggist, Ferndale, Glam., R.A.M.C.

Coton, W. E. (lately with Mr. H. T. Hall, chemist and druggist, Birmingham), Royal Field Artillery.

Couper, Cyril Stanley, son of Mr. F. T. Couper, chemist and druggist, Whitstable-on-Sea, R.A.M.C. (T.).

Cowan, Driver Wm. (lately with the Preston Drug Co., Preston), Army Service Corps (Expeditionary Force).

Crack, Corporal Fred. (lately with Mr. F. J. A. Hay, chemist and druggist (Oliver & Co.), Edmonton), Expeditionary Force.

Culverwell, Geoffrey, son of the late Mr. E. Culverwell, of Culverwell & Hawkins, chemists and druggists, Minehead, 4th Batt. Devon Regiment (T.).

Fairbairn, Lance-Corporal Walter (lately with Mr. J. Gordon Nicholson, Ph.C., Edinburgh), 5th Batt. Royal Scots.

Hall, H. W., brother of Mr. H. T. Hall, chemist and druggist, Birmingham, assistant surgeon with Servian Red Cross.

Hammonds, W. (lately with Boots Cash Chemists, Ltd., Loughborough), Territorial Force.

Hamnett, T. H. (with Mr. Chas. Hare, chemist, Southport), 6th Batt. King's Liverpool Regiment.

Hansen, Corporal Fergus (lately with J. Savage & Co., Ltd., chemists and druggists, Bradford), Northumberland Fusiliers.

Heaton, Reginald, Southport, 7th Batt. King's Liverpool Regiment.

Higgin, Private E. H. (with the Malvern Drug Stores), 8th (Reserve) Batt. Worcestershire Regiment.

Hill, Edward, chemist and druggist, son of Mr. J. S. Hill (Hill & Co.), chemists and druggists, Warrington, 46th Field Ambulance, R.A.M.C.

Hopkinson, A. J., chemist and druggist, R.A.M.C.

Hunter, J. F., chemist and druggist, Dingwall.

Idris, Lieut. A. E. W., M.R.C.S., L.R.C.P., R.A.M.C., in France, and J. H. Idris, Inns of Court O.T.C., sons of Mr. and Mrs. T. H. W. Idris.

Kimpton, Phillip B., of Kimpton Brothers, London, Surrey Yeomanry.

Levin, Horace V. (with Francis Hallam, Ltd., chemists and druggists, Burton-on-Trent), R.A.M.C.

Maben, Herbert Carteighe, son of Mr. Thomas Maben, Ph.C., of Parke, Davis & Co., London, 2nd Batt. London Scottish.

Marriner, Arthur, Southport, 14th Batt. King's Liverpool Regiment.

Pearson, Private D. N. W., brother-in-law of Mr. Geo. E. Marfitt, chemist and druggist, Leicester, 11th Batt. 4th Brigade, Canadian Expeditionary Force.

Robertson, David (with J. Hardie & Son, chemists and druggists, Dundee), R.A.M.C. (T.).

Rogers, Private Frank Austin, B.Sc. Lond., and Private Harold Dakin Rogers, chemist and druggist, Queen's Westminster Rifles; also 2nd Lieut. Edgar William Rogers, 11th (Service) Battalion, West Riding Regiment, sons of Mr. F. A. Rogers, chemist and druggist, London. Mr. E. W. Rogers was recently awarded the Salters' Research Fellowship of the Pharmaceutical Society.

Saunders, 2nd Lieut. W. Gilbert, Ph.C., A.I.C., of Ayrton, Saunders & Co., Ltd., Liverpool, and only son of Mr. W. H. Saunders, 5th Batt. King's Liverpool Regiment.

Smith, Bryan, Southport, 7th Batt. King's Liverpool Regiment.

Torrance, Phillip (with Mr. Chas. Hare, chemist, Southport), R.A.M.C.

Townsend, Benjamin (with Francis Hallam, Ltd., chemists and druggists, Burton-on-Trent), Kitchener's Army.

Walkden, Charles, Southport, 14th Batt. King's Liverpool Regiment.

Wathes, Trumpeter John Westman (son of Mr. C. J. Wathes, chemist and druggist, Nottingham), South Notts Hussars.

Williams, Sergeant C. E., chemist and druggist, son of Mr. N. Williams, Heacham, Norfolk, R.A.M.C. (T.), 3rd Southern General Hospital.

Employes of Wholesale Houses.

Ingram & Royle, Ltd., London and Liverpool.—Additional: J. E. Mowatt (Liverpool House), Liverpool Scottish.

Lofthouse & Saltmer, Hull.—E. Baker, — Briggs (Corporal), A. Exelby, and L. Teesdale, East Yorkshire Regiment: A. Blades and J. Mackenzie, 3rd Hull Battalion; F. Harrison and G. Selby, 1st Hull Battalion; A. Landen, Hull Heavy Battalion; A. MacMillan, Royal Scots; G. M. Holmes, R.A.M.C.

S. Maw, Son & Sons, London.—Private F. J. Clee, 21st Batt. County of London Regiment (Surrey Rifles); Privates H. H. Godfrey, E. T. Webster, G. H. Cummins, G. W. Macaire, R. J. Swire and P. Towers, 6th Batt. City of London Rifles; Privates S. Lardner, L. Waymark, R. H. Churchyard, H. C. Jones, H. Dowling, J. Moles, J. Neal, and Sergeant H. W. Montague, 4th Batt. City of London Royal Fusiliers; Private G. Gregory, 28th Batt. County of London Regiment (Artists' Rifles); Private G. Ashton, 22nd Batt. City of London Regiment (Queen's); Privates H. Larritt and F. Baker, 24th Batt. County of London Rifles (the Queen's); Privates Wm. Jones and W. Moffatt, 1st Batt. City of London Royal Fusiliers; Private F. Green, 7th Batt. City of London Regiment; Private W. Felton, 11th Batt. County of London Regiment; Sergeant S. A. Simpson, 3rd London Rifle Brigade; Bugler V. R. Williams, Lance-Corporal G. J. Abbott, and Private C. H. Poore, Queen's Westminster Rifles; Quartermaster-Sergeant D. T. Dixon and Private W. Harris, 1st London General Hospital, R.A.M.C. (T.); Sergeant B. A. Williams, 6th London Field Ambulance, R.A.M.C. (T.); Private F. Everett, A.D.M.S., 2nd London Division; Driver C. W. G. Bennett and Sergeant-Major G. E. Fitzjohn, London Mounted Brigade, A.S.C.; Bombardier O. Taylor, 1st City of London Batt., R.F.A.; Driver G. Wheeler, 7th London Brigade, R.F.A.; Private F. Hunt, 5th London Brigade, R.F.A.; Privates F. Moon and J. S. Moon, King's Royal Rifles (C.L.B. Battalion); Privates C. L. Smith and E. Frogley, 9th Batt. Rifle Brigade; Private G. H. Geraghty and A. V. Room, 1st Batt. Surrey Rifles; Private W. Salmon, Royal Berkshire Regiment; Privates F. Came, F. Petch, J. H. Saunderson, and D. Allen, Royal West Surrey Rifles (the Queen's); Privates A. H. Silvester and A. H. Crossman, Bedfordshire Regiment; Privates W. L. Whitehead, A. Hughes, and J. A. Mosley, Northampton Regiment; Private J. A. Lane, Wiltshire Regiment; Driver Robertson and Private A. Good, Royal Field Artillery; Privates Henry Robertson, Herbert Robertson, and W. C. Mabbott, 3rd Royal Berkshire Regiment, R.F.A.; Trooper J. S. Purchese, 11th Hussars; Able Seaman E. Hooper, Naval Reserve, Drake Batt. Naval Brigade; also C E Squires and C. Hales.

Personalia.

Mr. Albert Peene, whose pharmacy at 13 Place St. Jean, Bruges, has been totally destroyed, is in this country with his wife and two children. Mr. Peene speaks English, and is desirous of employment. His address is 142 Bethune Road, Stamford Hill, London, N.

Mr. A. D. Purse, chemist and druggist, Sunderland, has received a letter from his daughter, Nurse Catherine Purse, who was engaged to go to Geneva to bring a lady patient to London, and travelled *via* Paris and Lyons. She arrived in London on October 17, and then wrote giving an account of her experiences during her journey. She saw German aeroplanes flying over Paris, visited the wounded in the British Red Cross Hospital in Paris, and on the journey from Paris to Lyons saw many of our Indian officers travelling between Marseilles and Orleans, bringing up the Indian troops. Mr. Purse has three other daughters engaged in nursing—one in the Army, one in the Navy, and one a Red Cross nurse.

Miscellaneous.

Mr. J. Noble, chemist and druggist, Wallington (Surrey), has obtained by means of a counter collection-box 5*l.* 16*s.* 1*d.* for the relief of distressed Belgians, and has sent it direct to Belgium.

From November 1 the following codes may be used for telegrams between the United Kingdom and allied or neutral countries outside the European telegraph system: A.B.C. (5th edition), Scott's Code (10th edition), Western Union Code, and Lieber's Code.

Derby Education Committee, as a result of a recommendation by the Higher Education Sub-Committee, have resolved that the Principal of the Technical College be requested not to requisition in future goods (chemicals, apparatus, etc.) made in Germany.

A contemporary reports that the grey horses of the Scots Greys at the Front have been washed in a dilute solution of permanganate of potash, transforming them to a khaki-brown colour, with the object of rendering the chargers less easily visible to the enemy. The artifice is said to have been highly successful.

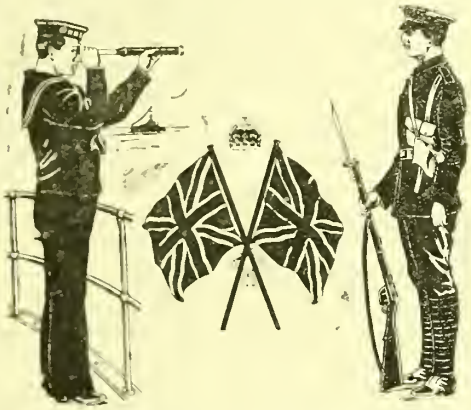
The Export Licence Department of the Privy Council Office has been transferred from Whitehall to King's House, Kingsway, London, W.C. All communications intended for that Department should be addressed to the Chief Clerk. All applications for export licences, whether special or general, should, as heretofore, be addressed to the Commissioners of Customs and Excise, Lower Thames Street, London, E.C.

There is a dearth of Continental-grown chamomiles in this country, and prices have gone up considerably. German and Austrian grown flowers are unobtainable, but small supplies of Belgian may be had. One Belgian refugee bethought him of the expedient of bringing a few bags of chamomiles with him, and he has sold these in London at what would be for chamomiles in a normal season a very

high price. Most of the English-grown chamomiles have hitherto been used for producing the essential oil.

Sir William Ramsay, K.C.B., F.R.S., writing in "The Times" of October 24 regarding the reports of new Zeppelins to be launched by the Germans, containing a gas fifteen times lighter than air, and made of a metal as rigid as steel and three times lighter than aluminium, says that little would be gained by filling an airship with a gas of no weight at all, if such a gas were possible. The buoyancy of a balloon is due to the replacement of air by hydrogen, which is fourteen times as light as air. If the imaginary gas had no weight at all, the buoyant power would be increased only to fifteen and a-half instead of fourteen and a-half. As for a metal existing the density of which is only one-third that of aluminium, there are excellent reasons for believing that no such light metal remains to be discovered. Sir William suggests that dropping bombs from such balloons is not war, but murder, and the statutory penalty is death by hanging; and if it were generally known that such a penalty were the invariable consequence of being one of a Zeppelin's crew it might deter men from volunteering on such barbarous adventures.

A Patriotic Poster.—Mr. F. J. Hatton, chemist, Appleby, has sent us a specimen of a new poster which he has had printed to advertise his cough-linctus. The poster is almost 3 ft. deep and 2 ft. wide, and under the heading "The Empire's Protectors" is printed a sketch, which we reproduce:



This is printed in appropriate colours, and underneath it in seven lines of bold red type is the following wording: "Hatton's Cough Linctus Cures Cough, Colds, Bronchitis, etc. One shilling per Bottle. F. J. Hatton, Chemist, Appleby."

Louvain University has been offered a temporary home in Cambridge. It was founded by John IV. of Brabant, and was the chief seat of learning in Belgium and for centuries one of the chief in Europe. It boasts of some of the greatest names in medical and chemical science. Vesalius, the great anatomist, studied there, and there, too, Van Helmont studied and was a professor of medicine before he turned first to mysticism and afterwards to chemistry. It was, however, in later years, at Vilvorde, that he discovered carbonic-acid gas. Dodoens, the herbalist, on whose work Lyte's "Herbal" was founded, and his French translator, De l'Escluse, were both students at Louvain, though their most important work was done elsewhere. All these men, except De l'Escluse, who was born at Arras, in the French Netherlands, were what we should now call Belgians by birth. A later famous name in medicine connected with Louvain is that of Rega, the eminent surgeon, and mention should also be made of Jacques Romain, who enriched the great library of the University (it contained over 250,000 volumes) by the gift of his splendid collection of medical works.

News of German Pharmacy.

Ems Water to the extent of 50,000 barrels has been presented to the Austro-Hungarian army by the Prussian Agricultural Department.

Foreign Tablets.—It is reported that E. Merck (Darmstadt), C. F. Boehringer & Söhne (Mannheim-Waldhof), and Knoll & Co. (Ludwigshafen) are collaborating in order to manufacture under a common trade-mark the principal tablets, sterilised solutions in ampoules, and other similar products hitherto imported.

The Medical Boycott of imported medicines continues. The President of a Hamburg Medical Society has asked his colleagues to refrain from prescribing Apenta water, liquor sedans, pituitrin, Blaud's pill with arsenic, strophanthus tabloids, and some other commonly used medicines, for each of which he suggests a substitute.

German Chemical Industry.—Dr. Otto N. Witt has contributed to the "Pharm. Zeit." an article on the war condition of the German organic-chemical industry. He deals in succession with alcohol; wood-products (including formaldehyde and acetic acid); calcium carbide; coal-products (including carbolic acid, picric acid, and dye-stuffs); synthetic remedies, perfumes, and aromatics; fats, oils, soap, candles, and glycerin. Dr. Witt takes an optimistic view of the situation, and in regard to the manufacture of vanillin states that guaiacol, instead of eugenol, will be used as the base. He expresses satisfaction that the South African goldmines are seriously disturbed through the lack of German cyanite-free sodium cyanide, but apparently he is unaware that this country has been able to make good the German deficiency.

The R.A.M.C.

We are indebted to a Major man (131/9), who failed to get into the Royal Army Medical Corps as a dispenser and enlisted as a private, for the following remarks on his experience in the training-camp:

One typical day in the life of a private in the R.A.M.C. will, I am sure, interest your readers:

6 A.M.—Réveille.

6.10 A.M.—Two small biscuits and a cup of hot coffee.

6.45 A.M.—Parade, marching at the double, and Swedish drill.

8.15 A.M.—Breakfast, consisting of tea, bread, tinned salmon or ham, and jam (every second morning).

8.45 A.M.—Tent and kit inspection. An officer with an orderly goes round each tent and sees that everything is tidy.

9 A.M.—Parade. If weather is cold, we may go marching; if fine, we have a first-aid lecture on the hillside; if wet, we have the lecture in a marquee.

10.30 A.M.—Dismiss for fifteen minutes.

10.45 A.M.—Parade. Drill or stretcher drill.

1 P.M.—Dinner. Soup, containing lumps of beef, potatoes.

2 P.M.—Parade. Field ambulance lecture.

2.45 P.M.—Dismiss.

3 P.M.—Parade. Company drill or stretcher drill in companies.

4.30 P.M.—Finished for the day.

5 P.M.—Tea, consisting of tea, bread, butter, cheese, and every second day jam.

This finishes the day for meals as well, and at 9.30 P.M. we must all go to bed.

The life is rough and the food rough, but it is very healthy.

Thirty per cent. of those who join are rejected after the first few days. The drill, especially the double marching, soon sorts out the "unfit." Weaknesses, such as heart-trouble, varicose veins, etc., drop them out of the running, and they are paid off, discharged, and sent back home. We have a long way to go to be really first-class men. There's a lot of drill and a lot of ambulance work to be done, but as we have the whole day and every day for the work we will easily do it. We see the more advanced sections practising. Men lie down in the fields labelled with what is wrong with them. First-aid squads move rapidly, but systematically, forward, treat the "wounded" properly, and carry them back into safety.

The evenings pass pleasantly with concerts, boxing matches, etc., and there are large Y.M.C.A. marquees where the men may go in and read papers or write home with paper, envelopes, etc., which are supplied to them free. In this peaceful retreat war seems very far away indeed, but each day is adding to our store of knowledge, health, and strength, and we are steadily preparing for the day when we must do our bit to help avenge poor Belgium, where

"Tyrant might slays Truth and Right
In the blood-red track of war."

Our contributor says some hard things about the disillusion that the private's life is to the pharmacist, as well as to other men who have joined the R.A.M.C. thinking it is one of the softest jobs. There is disillusion in every walk of life, and young pharmacists who join the R.A.M.C. thinking that their technical skill and knowledge are alone wanted have themselves to thank for disappointment.

A paragraph, apparently emanating from a Press agency, appears in the "Civil Service Gazette," and is going round the newspapers, to the effect that dissatisfaction has been expressed by pharmacists who have joined the Army as dispensers because of the military status accorded to them. The fact that pharmacists hold commissioned rank in the armies of our Allies is referred to, and mention is made of the recent action of the Pharmaceutical Society of Ireland in regard to the matter. It is stated that since the South African War the Pharmaceutical Society of Great Britain has made representations to the War Office to consider the matter, but the claim of the pharmacist to commissioned rank has received no encouragement from the military authorities. It is pointed out that the War Office cannot be expected to reorganise the pharmaceutical service of the Army at the present critical period, and that this is recognised is proved by the fact that more than a sufficient number of pharmacists have offered their services under the existing conditions.

CORNER FOR STUDENTS.

Conducted by Leonard Dobbin, Ph.D.

All communications for this section should be addressed thus: "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Report on October Analytical Exercise.

The powder distributed to students on September 29 contained 4 parts by weight of lead carbonate, 1 part of cupric hydroxycarbonate, and 5 parts of potassium sulphate. The calculated composition of such a mixture is:

Pb	31.0
Cu	5.7
K	22.5
CO_3	11.7
SO_4	27.6
OH	1.5
	100.0

The powder also contained, as impurities, distinct traces of aluminium and iron, and it gave a faint indication of the presence of a chloride.

Samples of the powder were distributed to forty students, and twenty reports were submitted for examination.

The presence of copper and of the sulphuric-acid radical was recognised by all our correspondents. As regards the other constituents, the failures in their detection were: Lead, 4; potassium, 3; carbonic-acid radical, 4. Eight students failed to observe the evolution of a small quantity of water—partly due to hygroscopic moisture and partly to the decomposition of the hydroxycarbonate—on heating the powder in a dry test-tube.

Apart from the points referred to in the various replies to correspondents, the analytical details of this month's exercise do not call for much comment, since the analysis did not involve any features of unusual difficulty. On the eve of the opening of the analytical tournament for the winter session it may, nevertheless, be well to direct the attention of all students to some general matters which have been brought into prominence by the errors and failures this month, and are, moreover, very likely to present themselves again as the tournament proceeds, and to produce fresh crops of errors and failures if not duly attended to. One of these matters is the employment of tap-water, with its undetermined traces of dissolved impurities—calcium, magnesium, chlorides, sulphates, etc.—and the detection of these traces in the course of the analyses in which this water has been employed, as if they had been impurities in the powder under analysis. Where the quantity of a substance available for analysis is very limited, and a special search for traces is to be made, it is imperative that water which has been carefully distilled should alone be used. Delicate analytical work is impossible when only ordinary tap-water is available.

The necessity for using pure reagents is another matter of the first importance. Sodium carbonate which is free from considerable traces of chloride or sulphate, or of both, seems to be almost unknown among the samples of the reagent which our correspondents employ, and yet this reagent, in a quite unsuitable condition of impurity, is often used, as if perfectly reliable, in preparing solutions to be tested for acid radicals, in carrying out dry-way tests for "sulphur in any form," etc., under circumstances in which the impurities present necessarily render the results obtained quite uncertain.

Manganese dioxide containing chloride as impurity is commonly used in testing for chlorides in unknown substances, and this fact explains the often-reported liberation of large quantities of chlorine from mixtures, such as the subject of this month's analysis, which contain no more than a barely recognisable trace of a chloride. Most commercial specimens of manganese dioxide consist of the recovered article from the residues from the preparation of chlorine in the manufacture of bleaching-powder, and they contain chlorides in abundance. Specimens of the original mineral, pyrolusite, free from traces of chlorides and reduced to fine powder, should be used instead of this impure and wholly unsuitable recovered material.

Common filter-papers yield impurities to acid liquids passed through them, hence papers previously extracted with hydrochloric and hydrofluoric acids can alone be employed when security from this source of probable contamination is essential.

The very common mistaking of precipitates of calcium sulphate—easily obtainable on mixing moderately concentrated solutions of sulphates with calcium chloride—for calcium oxalate, tartrate, or citrate, is easily avoidable by examining the behaviour of the precipitates when gently ignited. Calcium sulphate does not undergo any visible change when so ignited, and the residue does not effervesce when treated with hydrochloric acid, whereas calcium oxalate, tartrate, and citrate are all decomposed—conspicuous charring taking place in the cases of the tartrate and the citrate—and the residue in each case contains calcium carbonate and effervesces with hydrochloric acid.

Failure to find lead sulphide in the hydrogen-sulphide precipitate when lead chloride has separated on the cooling of the original hydrochloric-acid solution of a mixture is often met with. In view of the fact that the precipitation of lead as chloride by means of hydrochloric acid is never complete, this is an error which should not occur if the precaution of largely diluting the acid filtrate from the lead chloride prior to passing hydrogen sulphide through it receives the attention which it demands.

Carnot's test for potassium must be applied in an appropriate manner if its delicacy is to be of any value. To dissolve the substance which is to be tested for potassium in an indefinite quantity of water, and then to this solution to add Carnot's reagent (prepared by adding 10 c.c. of 85-per-cent. alcohol to a mixture of one drop each of solutions of sodium thiosulphate and bismuth nitrate), is an entirely inappropriate method. The correct procedure is to dissolve in the minimum quantity of water the residue obtained on evaporating to dryness the solution from which all metallic radicals except magnesium and those of the alkali group have been separated, and expelling all ammonium salts by heating to redness, and then to add a single drop of this solution to the previously mixed reagent. The yellow precipitate which is characteristic of potassium is readily soluble in water and in alcoholic mixtures containing more than a small proportion of water, and hence it is absolutely essential that only a very small quantity of any aqueous solution should be added to the 10 c.c. of reagent mentioned above.

Prizes.

The first prize for the best analysis has been awarded to John Sykes, 1 Crossflatts Mount, Dewsbury Road, Leeds.

The second prize has been awarded to John Bee, 111 Danvers Road, Leicester.

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

Marks Awarded for Analyses.

1. *Correspondents who are unqualified:*

John Sykes (first prize)	96	L. N. B.	72
John Bee (second prize)	95	Cusso	70
Onyx	94	Ral	70
Kepier	92	Cod-liver Oil	68
Aa	88	Labor Omnia Vincit	65
Kappa	87	Scitaminaceæ	59
Snuff	81	Sassafras	55
Chris	75	Emanuel	51

2. *Correspondents who are qualified, or who have not indicated that they are unqualified:*

Fraises	76	Ricinus	96
Oxon	97	South	84

To Correspondents.

John Sykes.—Sodium hydrogen tartrate is a more delicate reagent for potassium than tartaric acid.

John Bee.—The use of sodium hydroxide instead of sodium carbonate in preparing the solution to be tested for acid radicals was specially inappropriate in the present instance, since the resulting solution contained much lead.

Onyx.—The filtrate from the deposit of lead chloride inevitably contained some lead in solution. Had you detected this lead in the examination of the hydrogen-sulphide precipitate, your report would not have been placed third in order of merit.

Kepier.—The borax-bead test should have revealed the presence of copper. It is desirable to avoid the presence of hydrochloric acid and of chlorides in the solution to be tested for the phosphoric-acid radical by means of ammonium molybdate.

Aa.—The precipitate you attributed to barium was most likely due to traces of lead which had not been separated completely at the proper stage. The well-marked reactions of chlorides which you obtained must have been due to the presence of impurities in the sodium carbonate and

the manganese dioxide you employed in making your tests. Read also the reply to "Onyx."

Kappa.—The known presence of reducible metals was scarcely a sufficient reason for omitting to heat a small quantity of the powder on a platinum wire. You employ the term "solute" when you evidently mean "filtrate." Note that solute is the name given to the substance in solution. The precipitate which you mistook for calcium oxalate consisted of calcium sulphate. Read also the reply to "Onyx," and the first sentence of the reply to "Kepler."

Snuff.—The slight change of colour which you noticed in applying the ferrous-sulphate and sulphuric-acid test for a nitrate was due to the slow separation of nearly anhydrous cupric sulphate. It only very remotely resembled the characteristic reaction of nitrates.

Chris.—You omitted to give any account of the examination of the ammonium-hydrosulphide filtrate, which might have contained arsenic, antimony, and tin.

L. N. B.—A summary containing the names of a variety of substances described as "possibly" present in traces is unsatisfactory, and does not merit or obtain any more marks than if all these names were omitted. You must decide from the evidence obtained from your tests whether the "possible" constituents are present or absent, and stand or fall by the results of that decision. Read also the reply to "Snuff."

Cusso.—The beads obtained in the charcoal-reduction test consisted of a copper-lead alloy. The precipitate which you obtained on adding silver nitrate to the portion of the sodium-carbonate extract, neutralised with acetic acid, may have consisted of silver acetate, which is a sparingly soluble salt.

Ral.—We repeated your tests for traces of calcium and of a phosphate, but did not succeed in obtaining any positive indications.

Cod-liver Oil.—The precipitates which you supposed to consist of bismuth hydroxide and aluminium hydroxide no doubt consisted—the former entirely and the latter mainly—of lead hydroxide.

Labor Omnia Vincit.—The change which you mistook for charring was the decomposition of green cupric hydroxy-carbonate with formation of black cupric oxide. The supposed nickel precipitate was due to lead, and the supposed calcium citrate was calcium sulphate.

Scitaminaceæ.—The evolution of carbon dioxide when the powder was treated with dilute hydrochloric acid should not have escaped observation.

Sassafras.—Your method of applying Carnot's test for potassium is entirely wrong, and cannot give reliable results. See the general remarks above. We failed to obtain the slightest indication of the presence of an ammonium compound.

Emanuel.—Your conclusion that lead was absent from the powder because the platinum wire upon which a portion of it was heated was not corroded, although novel, was both unsatisfactory and inaccurate. Your report gives no indication as to what became of the lead in the systematic testing for metallic radicals.

Fraises.—Your very incomplete report gives no account of testing for metallic radicals of the arsenic group or of the alkali-metal group, and a variety of acid radicals are neither proved present nor absent.

NETHERLANDS NOTES.

Stocks of Medicines in Holland.—Supplies are steadily improving, although prices have considerably advanced, the importation from foreign countries of chemicals and drugs having improved, except as regards mercury and mercurials, which are in very limited supply.

Cocaine in Java.—The Batavian Government issued in August new regulations regarding the manufacture of cocaine in Java, which are substantially the outcome of the decision arrived at by The Hague Opium Conference. The regulations prohibit the manufacture of cocaine by persons other than those who have the special permission of the Government, and that permission is given only to those who undertake to manufacture the alkaloid for exportation only. Licensed manufacturers must conform to stringent regulations in regard to the amount of crude material received and the destination of the finished products, and the factories must be open to inspection by properly authorised persons.

Chemicals and Drugs to the value of $274,811 went from Baltimore to Germany, England, Cuba, and the Netherlands last year.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Kennington (London) chemists have decided to close at 9.30 P.M. instead of 10 P.M., Saturdays excepted.

The Home Secretary has confirmed the closing order for chemists and druggists at Wolverhampton (*C. & D.*, July 18, p. 35).

The pharmacy of Mr. J. Reed, chemist and druggist, 32 Church Street, West Ham, was entered by a burglar recently, and he helped himself liberally to cod-liver oil emulsion and cough-lozenges.

The Local Government Board has sanctioned the payment of a gratuity of 10*l.*, for extra services rendered, to Mr. J. Clarke, chemist and druggist, dispenser at Camberwell Infirmary (*C. & D.*, October 10, p. 38).

The London County Council has been recommended to increase the salary of Mr. F. H. Coste, F.I.C., F.C.S., chemist to the Public Health Department, from 600*l.* to 700*l.*, by two yearly increments of 50*l.*, taking effect from July 29 last.

Fifteen persons have lost their lives as a result of taking poisons since our last issue, the poison being taken with suicidal intent in seven cases. Among the substances involved were solution of ammonia, carbolic acid, laudanum, liniment, prussic acid, and spirit of salt, while in five cases the nature of the poison is not stated. Two of the victims were patients in a Scottish asylum, who died as a result of being given medicine which inadvertently contained poison. Five other patients are ill, but are likely to recover.

Municipal Honours.

Alderman W. E. Wardill, of Mandall & Co., Ltd., wholesale druggists, Stockton-on-Tees, is the Mayor-elect of Gateshead.

Alderman Owen A. Clark, chemist and druggist, of Messrs. Nunn, Hinnell & Clark, Abbeygate Street, Bury St. Edmunds, has accepted the mayoralty of the borough for the coming municipal year.

The following gentlemen have been elected to the Municipal Councils of respective towns or cities:

Mr. F. C. Ashford, chemist and druggist, Northampton.
Mr. Walter Aston, Ph.C., Worthing.
Mr. Hugh Milner Black, Ph.C., Brighton.
Councillor Edward Cardwell, J.P., chemist and druggist, Lancaster, an ex-Mayor of the borough.
Mr. L. Greenwood, chemical-manufacturer (Thornfield), Haslingden
Mr. Percy Knott, chemist and druggist, Bolton.
Mr. Robert Knowles, chemist and druggist, Morecambe.
Mr. Thos. Ridley, chemist and druggist, Carlisle.
Mr. L. B. Rowland, chemist and druggist, Wrexham.
Mr. Richard Sturton, chemist and druggist, Cambridge.
Mr. W. H. Wandless, chemist and druggist, Whitehaven.
Mr. W. Wise, chemist and druggist, Launceston.
Mr. E. P. Wynne, chemist and druggist, Aberystwyth.

Mr. S. Stephens, chemist and druggist, has been nominated for re-election to Huddersfield Town Council, and Mr. W. H. Hewett, chemist and druggist, Brighton, is also a candidate for municipal honours.

Celluloid.

The official reports of the House of Commons Select Committees on the Celluloid Bills have now been published. We gave the gist of the recommendations some months ago. The main point is that a Government Bill on the subject is recommended. The Commissioner of the London City Police has given notice, under the provisions of the Defence of the Realm Act, prohibiting persons in the City having in their possession or control celluloid or xylonite, or kindred substances, in any larger quantities than 12 lb., and cinematograph-films exceeding six reels, or, in the aggregate, 24 lb. in weight. Celluloid which has been subjected to any manufacturing process is exempted—*i.e.*, combs and other toilet-articles. The Commissioner has power to entertain applications for permits.

Pharmacy under Fire.

Twice recently revolver-shots have been fired through the windows of the pharmacy of Messrs. Thomas & Co., Upper St. Martin's Lane, Soho, London. On the first occasion the shot passed through a side window and buried itself among the cuttlefish which fill that window; the second time, however, the bullet passed within a foot of Mr. Thomas's assistant, who was pulling down the shutter, and entered the window at about the height of a man's head from the ground. Fortunately, little damage has been done. The police have the matter in hand, but have not yet traced the "sniper." It is thought that with the arrest of so many undesirable aliens in this part of Soho there will be no repetition of the shooting.

A Judge on Quackery.

When Mr. Justice Rowlatt passed sentence on Orlando Edgar Miller at the Central Criminal Court, London, on October 22, he said that the next person convicted before him of a like offence would receive a much more severe sentence, and he added:

"This conviction, in my judgment, is a very important one, because it shows, and I hope it will show to all others who, with no knowledge or with a little knowledge which is more dangerous than complete ignorance, undertake to deal with dangerous poisons, that in spite of the rhetoric which may be brought to bear on these occasions and all the tall talk about other cures and a wonderful system of mental treatment and the unity of the infinite and all that sort of stuff, when a British jury finds that people have been subjected to the influence of deadly poisons by incompetent people it will go straight to the business-mark and say it is manslaughter."

Contracts for Drugs, etc.

The following contracts for articles of interest to our subscribers have been concluded:

Kingston Town Council.—F. W. Berk & Co., for sulphuric acid (36*s.* 6*d.* per ton).

London County Council (Asylums).—Oxo, Ltd., for two months' supply of extract of beef (33*l.* 7*s.* 4*d.*).

Wrexham Guardians.—Francis & Co., Wrexham, for chemists' goods.

Guardians' Doings.

The Guisborough (Yorks) Guardians have reaffirmed their previous decision that dispensing for the inmates of the workhouse should be done at the institution.

The Dartford Guardians have decided to pay Corbyn, Stacey & Co., Ltd., 5*l.* 0*s.* 6*d.* extra on their contract prices for drugs on account of increased cost through the war.

Devonport Guardians on October 23 received a report of the Finance and General Purposes Sub-Committee to the effect that the cost of drugs had increased from about 15*l.* to over 20*l.* per quarter since the medical officer had ceased to supply drugs as part of his contract. The Sub-Committee had asked that they should be supplied with a return showing the cost of drugs during the past five years so that they could go into the matter. The Board confirmed the action of the sub-committee.

Coal Products.

It is stated that a syndicate is being formed for the erection at Doncaster of machinery and plant, at a cost of between 25,000*l.* and 30,000*l.*, for the production of oils, motor-spirit, and smokeless fuel from coal. The tarry distillate will also be worked up for various products. Dr. J. M. Perkins, F.I.C., F.C.S., of London, who has experimented on the process, believes that the problem of producing a smokeless fuel has been solved.

A Pharmacy Act Case.

At the Flint County Court last week, the officials of the Court called a case which appeared on the list as follows:

"The Council of the Pharmaceutical Society of Great Britain against Miss M. Hughes. Penalty for selling poison, 5*l.*"

The case was mentioned in open court, and the Registrar said he understood the money had been paid, and that the case was therefore withdrawn; but he had no official knowledge of the payment, and as there was no appearance the case was struck out.

IRISH NEWS.

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Brevities.

Mr. H. Lancashire, Ph.C., Church Street, Ballymena, has a collection of war pictures on show in his shop-window.

Baxter, Ltd., chemists, Ballymoney, have sent a donation of 20*l.* to the co. Antrim auxiliary of the Prince of Wales Fund.

The business of Hugh Marshall, Ltd., druggists, 2 York Road, Belfast, is to be removed next week to larger premises adjoining.

The co. Tipperary Infirmary Committee has accepted the tender of Messrs. Boileau & Boyd, Dublin, for the supply of medicines to the institution at 15 per cent. off the prescribed list prices.

Dr. F. A. V. Denning has resigned his position as compounder to the Sligo Dispensary District owing to ill-health. Mr. P. N. White was unanimously appointed temporary compounder at a remuneration of 30*s.* per week.

At a meeting of the Committee of the Chemists' and Druggists' Society of Ireland last week, a resolution of sympathy was passed with the widow and family of the late Mr. D. H. McMullan, Ulster representative of Messrs. Boileau & Boyd, Ltd., Dublin, who died in Portrush recently, and who for many years was a member of the Society.

Negligence of a Railway Company.

At the Swinford Quarter Sessions, before County Court Judge Wakeley, K.C., Messrs. Haddock, Parker & Co., Chapel Street, Liverpool, and Mr. D. Murtagh, Kiltimagh, sued the G. S. & W. R. Co. to recover the sum of 24*l.* 15*s.* for loss sustained by the plaintiff owing to negligence in failing to deliver a consignment of sulphate of copper. Having heard the evidence, his Honour gave a decree for 23*l.* 10*s.*

Drug-prices.

The Local Government Board have sent to a number of Irish Boards of Guardians a copy of a letter they have received from Messrs. Boileau & Boyd, Dublin, who hold a large number of poor-law union drug-contracts for the current year. The letter of Messrs. Boileau & Boyd stated that owing to the war the requisite supplies of drugs and chemicals hitherto made in Germany, and imported from that country, are not available, and that the cost of a large number of items on the Board's prescribed list has advanced considerably—in some instances more than 300 per cent. They therefore requested that the prescribed prices should be revised as from October 1 in accordance with present quotations. The Local Government Board added that they felt sure that the Guardians would appreciate the difficulties the contractors experience in supplying many of the drugs on the prescribed list, and would also acknowledge that the firm has an equitable claim for generous treatment at their hands on the termination of their contracts in March next. They also requested that these articles should be requisitioned very sparingly. When this letter was read at the meeting of the Tuam Guardians the Chairman said that the local contractors should get the same consideration as the drug-contractors. The Local Government Board's letter, which was considered very fair, was unanimously approved of.—The Athlone Guardians decided to send copies of the letter to the doctors, so that they may avoid ordering drugs that are difficult to get in larger quantities than may be absolutely necessary.—At the Clogheen Board of Guardians, when the letter was read, Mr. Galvin said the Local Government Board were anxious to help the Dublin contractors while they were raising all sorts of difficulties if a local man were concerned.—The Castlerea Guardians marked the letter "Read," Mr. Sweeney stating that the offer of the Local Government Board to allow the contractors for any loss they may sustain, on the completion of their contract,

was a very fair one.—The Armagh Guardians agreed to consider favourably any claims made by the contractor later on, subject to the approval of the Local Government Board.—At the Ballina Board the Chairman said the firm should be asked to abide by their contract like anyone else. They had not agreed to the demands of other contractors, and he did not see why they should make an exception in this case. The matter was not further discussed.—The Killala Guardians took no definite action in the matter.

SCOTTISH NEWS.

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Aberdeen and the North.

Claims against the late Archibald Richmond, chemist and druggist, Elgin, are to be lodged with Messrs. E. D. Jameson & Young, solicitors, Elgin.

Beeswax is stated to be more plentiful than usual, and some chemists are purchasing good-quality wax from local bee-keepers at from 1*s.* 4*d.* to 1*s.* 8*d.* per lb.

Native chamomiles are in short supply this season, and rural growers are asking 1*s.* 8*d.* to 2*s.* per lb. Some years ago 6*d.* per lb. was the usual price Home-grown double flower-heads are preferred in the North of Scotland. The Duchess of Kent (Queen Victoria's mother) used to get her annual supplies of chamomiles from Messrs. Davidson & Kay, Union Street, Aberdeen.

Edinburgh.

Hypo at 2*d.* per lb., 7 lb. for 1*s.*, is advertised by a photographic dealer in the city.

Local chemists find that red cloth, such as is used for a dark-room window, suitably cut, is an excellent and artistic medium for shading strong window or shop lights, so as to comply with the Admiralty order.

The report of the directors and balance-sheet of St. Cuthbert's Co-operative Society for the half-year ended September 8, 1914, shows that the total sales of the six branches of the drug-department during that time were as follows: Bread Street, 1,490*l.* 9*s.* 5*d.*; Tynecastle, 823*l.* 12*s.* 11*d.*; Hamilton Place, 529*l.* 0*s.* 9*d.*; Nicholson Street, 663*l.* 12*s.* 7*d.*; Montrose Terrace, 340*l.* 10*s.* 5½*d.*; Haddington Place, 426*l.* 8*s.* 3*d.* The net profits were: Bread Street, 639*l.* 11*s.* 3*d.*; Tynecastle, 399*l.* 3*s.* 5*d.*; Hamilton Place, 213*l.* 7*s.*; Nicholson Street, 213*l.* 7*s.* 8*d.*; Montrose Terrace, 93*l.* 8*s.* 7½*d.*; Haddington Place, 104*l.* 15*s.* 4½*d.*; Haddington Place (wholesale), 122*l.* 10*s.* 8*d.*

Glasgow and the West.

The Glasgow and West of Scotland Chemists' Association is arranging a whist-drive and social gathering to be held in November. Anything in the shape of profit will be given to one of the Relief Funds.

The semi-finalists in the Golf Foursomes Competition are Messrs. Black and Crombie, Bell and Christie, Aitcheson and Mackenzie, and Halliwell and Wilson. Mr. D. G. Mackenzie qualified in the October Monthly Medal Competition with a net score of 86.

An amended price-list for drugs and chemicals most affected by the present situation has been issued by the Trade Committee of the Glasgow and West of Scotland Chemists' Association (see *C. & D.*, August 22, p. 40, and August 29, p. 45). The following are the chief additions and alterations: Acid. acetyl-salicylic., 1*s.* per oz., 2*d.* per dr.; adeps lanæ hydrosus, 3*d.* per oz.; aspirin tablets, 10½*d.* per bottle of 25; ichthyol, 8*d.* per dr.; potass. bitart., 2*d.* per oz., 6*d.* per ¼ lb.; potass. citras, 8*d.* per oz.; potass. bromid., 6*d.* per oz., 1½*d.* per dr.; sacchar. lactis, 1*s.* 9*d.* per lb.; seltzogene powders, 5-pint size, 2*s.* 3*d.* per dozen; tinc. iodi, 6*d.* per oz. Dressings—boric lint, cotton-wool, guttapercha tissue gauzes, oiled silk, and white lint, 25 per cent. advance on retail prices as formerly advised. Mineral waters—Apenta, 1*s.* 3*d.* per bottle; Contrexéville, 11*d.*; Hunyadi, 1*s.* 3*d.*; Rubinat, 1*s.* 5*d.*; Vichy, 11*d.*

LEGAL REPORTS.

TRADE LAW.

Sweet Spirit of Nitre.—At Mold (Flintshire) on October 26, E. H. Marston, grocer, was ordered to pay 17*s.* costs in respect to a summons for selling sweet spirit of nitre which was deficient in ethyl nitrite to the extent of 37.7 per cent.

Erasmic Trade-mark.—At Middlesbrough on October 26, Henry Thorn, Leeds, was sentenced to two months' imprisonment, with hard labour, for infringing the trade-mark of the Erasmic Co., Ltd., Warrington, by selling shampoo-powders marked "Alexandra Erasmic." He had been employed by a person recently convicted (*C. & D.*, October 3, p. 40).

Sale of Spirits.—At Hamilton on October 26, Arabella Barclay Stewart, chemist and druggist, Cadzow Street, Hamilton, was charged at the instance of the Customs authority with having on June 21 sold by retail a quarter pint of spirits without having a licence, whereby, under the Finance Act, she rendered herself liable to a penalty of 50*l.* She pleaded guilty, and, after hearing an explanation on her behalf, the Justices imposed a penalty of 15*l.*, or thirty days' imprisonment.

Hove Drug-stores.—At Brighton County Court on October 23, A. R. R. Craig, trading as the Hove Drug-stores, Church Road, Hove, was fined 5*l.*, and costs, under Section 15 of the Pharmacy Act, 1868, for selling poison. The article sold was Jeyes' fluid. It transpired that the defendant had been fined previously, but Mr. Harry Moon, Deputy-Registrar of the Pharmaceutical Society, stated in evidence that he had not paid the penalty, but had written asking that it might be paid by instalments of 1*l.* a month, as he was getting a salary of 2*l.* 2*s.* a week only. This was agreed to, but he had not paid any of the instalments. Mr. Thomas Tickle, F.I.C., deposed that the sample of Jeyes' fluid contained 8 per cent. of carbolic-acid homologues. The defendant was ordered to pay at the rate of 1*l.* a month.

"Phosferine" Word-competition.—In the King's Bench Division of the High Court, London, on October 23, Mr. Justice Darling and a special jury heard an action in which Miss Feo Violet Florentina Von Sachs was awarded 250*l.* damages against Ashton & Parsons, Ltd., proprietors of "Phosferine," for breach of contract in connection with a competition. Prizes ranging from 2*s.* 6*d.* to 500*l.* were offered for the largest number of words formed of the letters in "Phosferine." Plaintiff sent in 930 words, but was not awarded anything, her sister receiving 10*s.* for fewer words. The defence was that the competition was properly judged, many words in various lists having to be deleted because they did not comply with the conditions laid down. Mr. Cakebread and Mr. Max Pemberton gave evidence to this effect.

Clarke's Blood-mixture.—In the Chancery Division of the London High Court, before Mr. Justice Astbury, on October 27, Mr. Herbert Wm. Walmisley, of Sutton, Surrey, brought an action against Mr. Thomas Alfred Platt, 317 High Holborn, to enforce the fulfilment of an agreement, or for damages for breach of the agreement. Mr. Russell, K.C., for plaintiff, said the agreement was between the parties, and under it the plaintiff became entitled to shares in the Lincoln and Midland Counties Drug Co., the proprietors of "Clarke's Blood-mixture." In 1905 an agreement was entered into between Francis Clarke, Percy Christopher Clarke, Lilian Clarke, Fredk. Brown, and the defendant, to sell patent medicines, one of which was "Clarke's Blood-mixture." The capital was 36,668*l.*, of which 8,668*l.* represented Mr. Platt's interest. To provide for his share of the capital the defendant arranged to borrow 2,000*l.* from the plaintiff, and a deed was entered into between them whereby it was provided that if the company should be converted into a limited company the plaintiff should concur in what might be necessary for the purpose of vesting his share in the company, and the defendant should transfer to him in respect and satisfaction of the trust share such proportion of the total consideration received by or credited to him in respect of his share in the business as the sum of 2,000*l.* should bear to the capital. The defendant kept up his payments in fulfilment of his obligations to the plaintiff until November 11, when he defaulted. Replying to his Lordship, who wanted to know what the real question was, Sir Chas. McNaghten, K.C., for the defendant, said the other directors had refused to agree to any transfer of the shares, and they objected to the plaintiff being a director, but they had now been prevailed upon to register the transfer. His Lordship said there had been a breach by the defendant, and he ordered the case to be adjourned for fourteen days for the transfer

to be registered and the new certificates made out to the plaintiff. He would then make an order which would include the payment out to the plaintiff of a sum in court. The defendant must pay the costs.

Thermos-flask Case.—The case of Thermos, Ltd., *v.* Calvert (*C. & D.*, October 24, p. 39) again came before Judge Atherley-Jones in the City of London Court on October 23. His Honour wanted to know how the profit on the Thermos flasks was disposed of? Mr. Zeffert, who now appeared for the plaintiffs, said the defendant had sent a letter to the Court stating that the plaintiffs were a German company. That was a reckless and absolutely false statement, and it had been very harmful to the plaintiffs, who were an English company in every sense. Mr. Milton Bartholomew, managing director of the plaintiff company, said that for the last five and a half years there had been absolutely no alien enemy associated with the company. Until then for twelve months a German had a few shares, but that had ceased. When the company was started the whole money was found in England; all the directors are English, and had always been. He holds 25 per cent. of the capital himself. Some of their flasks are made in Germany, although most of them were made in Tottenham. Some of the patterns were manufactured in Germany before the war, and they purchased them in Germany, but that ceased when the war broke out. Up to the time of the war it had not been possible to get the particular glass with which some of the flasks are made anywhere except in Germany. They then bought the glass from Germany and manufactured the flasks in Tottenham largely. The plaintiff company paid a large sum for patents which had turned out to be worthless, and the parent company no doubt held an invention in Germany. The plaintiffs paid hard cash for the patent-rights, but it was all English money—every penny of it. The German firm did not now draw a penny from the plaintiff company. What the plaintiff company do not get made at Tottenham they get from America. His Honour said he could quite understand that suggestions with regard to the *bona fides* of British companies being associated with an alien enemy were calculated to create prejudice and be injurious to their business. It was clear from the flask before him that it was stamped "German manufacture," and that the parent company of the plaintiff company was a German company. That put the Court on inquiry. His own view was that an alien enemy had no status whatever, either by way of defence or set-off or counter-claim, or as a plaintiff, that there is an absolute cessation of all rights to appear in the English courts until peace is restored, although a distinguished American judge had said an alien enemy might have the status of a defendant. He was satisfied that although there had been suspicion with regard to the plaintiff company, that was dissipated by the evidence given, and he was quite satisfied that the plaintiff company is British and not composed of alien enemies. Under those circumstances any reproach cast upon it was removed. He therefore gave judgment for the plaintiffs for 1*l.* 19*s.* 1*d.*, and costs.

Tannic-acid Lozenges.—At the Sunderland Police Court, before the Mayor and six other Magistrates, on October 24, John McLaren, chemist and druggist, Southwick, was summoned, under Section 6 of the Sale of Food and Drugs Act, 1875, for selling tannic-acid lozenges, which the public analyst had certified to contain 8 per cent. of potato-starch. Mr. Hargreaves, solicitor, prosecuted for the Durham County Council, and Mr. T. B. Leigh, barrister (Manchester), instructed by Messrs. Neve, Beck & Kirby, for the Chemists' Defence Association, defended Mr. McLaren, with Mr. Innes, solicitor (Manchester), and Mr. Bell, solicitor (Sunderland), for Messrs. Blyton, Astley & Co., who supplied the lozenges. The first witness called was Mr. C. J. H. Stock, B.Sc., F.I.C., county analyst, who proved that the B.P. lozenges contain no starch, and this he found in the lozenges. Replying to the Magistrates, he stated that he tested for tannic acid, but not for the amount. The starch extended through the centre of the lozenges. Mr. Leigh cross-examined witness as to the B.P. allowing certain latitude to manufacturers [Preface, p. xiii], and as to starch being commonly employed in making lozenge-pastes. Mr. Leigh then addressed the Magistrates, particularly emphasising the fact that prejudice to the purchaser had not been proved, and submitting that no offence was committed if an admixture such as starch was reasonably required for manufacturing or commercial purposes. Notice of warranty had been given, but this had been withdrawn, as the defence relied upon merits to answer the summons. The defendant, in evidence, admitted the sale, and deposed that he purchased the lozenges from Messrs. Blyton, Astley & Co., Manchester. Mr. J. H. Blyton deposed that the chemist (Williamson) on his firm's staff who had made the lozenges had since gone to the war. His firm never added any starch to their lozenge-paste beyond the starch that was sprinkled on the slab and on the upper surface of the paste to prevent sticking. This was confirmed by J. Baxter, foreman mixer; G. Bruce, another laboratory-hand; and J. Murray, lozenge-cutter. Mr. Thomas Tickle, B.Sc., F.I.C., Exeter, stated in evidence that, as public analyst, he would have no hesitation in regarding these lozenges as being compounded in accordance with the B.P. formula, and he had no fault to find with the percentage of starch present. The tannin is the essential ingredient, and that was present in proper proportion. There is nothing in the B.P. which forbids the use of starch as a dusting or rolling powder. He knew the intentions of the editors of the Pharmacopœia, as he assisted them in producing the book. Starch was contemplated and expected. He had obtained and tested samples from six of the principal medicated-lozenge makers in the kingdom; in two he found 2 per cent. each of starch, in two others 4 per cent. each, in one 5 per cent., and, as already stated, in the defendant's 6 per cent. Even if the lozenges had contained more than 8 per cent. he would still regard them as genuine. Black-currant paste, the basis of the lozenges, is liable to be more moist at some seasons than at others, and the more moist the paste the more starch is likely to adhere to the surfaces and be rolled into the paste. Starch is the most suitable dusting-powder for the purpose, as it is inert and drying. Dr. W. Robinson, F.R.C.S., stated that the starch used is perfectly harmless, and just as necessary as French chalk or other dusting-powder for pills. Mr. Leigh intimated that he had other lozenge-manufacturers and pharmacists in court if the Bench would like to hear their evidence, but the Magistrates did not ask for more, and retired to consider the case. On returning, the Chairman intimated that the case had not been proved, and they dismissed the summons, with costs.

The Salvarsan Patents.

At the Patent Office, London, before the Comptroller-General and Sir Cornelius Dalton, on October 23, Mr. Potts applied on behalf of the Société Anonyme les Etablissements Poulenc Frères, 92 Rue Vieille-du-Temple, Paris, for a licence to suspend the salvarsan and neo-salvarsan patents 13,485/10, 7,865/12, and 5,595/11.

Mr. Potts, in opening his case, asked permission first to call evidence to show that there is a shortage in the supply of this article. This having been granted, he called Mr. Blenkinsop, director of May & Baker, Ltd., Battersea, who stated that his company had applied to Meister, Lucius & Brüning, Ltd., for supplies of salvarsan, but were informed that they had none to supply.

Mr. Potts said he would first endeavour to satisfy the Court as to the purity of the product made by Poulenc Frères. His clients have extensive works near Paris, and their plant is capable of turning out about 8 kilos. per month, and if necessary that output could be doubled. The first stage of the manufacture is carried out on a large scale, but the second stage, on account of the danger of oxidation, is carried out in three or four ounce quantities at a time, the product being sealed up in bottles. These are then taken to the private laboratory in Paris, where the substance is carefully tested physiologically, and any samples which give unsatisfactory results are immediately rejected. The work is carried out under the personal supervision of M. Billon, managing director of Poulenc Frères, who is an expert chemist and bacteriologist, and who is responsible for the product from start to finish. Poulenc Frères are also manufacturers of other fine chemicals, and have been producing salvarsan for about four years, supplying it to French hospitals, the Pasteur Institute, the French army and navy authorities, and others. Mr. Potts then read a number of extracts from various French medical journals, showing that French medical men consider that arsenobenzol made by Poulenc Frères is of a therapeutic value equal to Erhlich's product. His clients were ready to submit their product to any tests considered necessary by the Board of Trade.

The Comptroller: What guarantee have we that the product sold here would be the same on all occasions?

Mr. Potts said that later on the product would be made in this country, but M. Billon considered that he would be better able to give personal supervision if they continued for the present to make it in France. He referred to Mr. Blenkinsop's evidence as showing a scarcity, and put in a letter from Dr. Evans, of the Liverpool Stanley Hospital, stating that they could get salvarsan only with difficulty and at a 50-per-cent. increase in price. His clients are prepared to sell the article at a lower price than the *ante bellum* prices charged by Meister, Lucius & Brüning for salvarsan,

if the royalty were not excessive, and are prepared to pay any reasonable royalty.

Mr. W. H. Gordon, chemist and druggist, was then called by Mr. Potts. He stated, in reply to questions, that he was previously chemist to the French Hospital, Shaftesbury Avenue, and is now chemist to the Westminster Dispensary. He deposed that it is difficult to get supplies of "606" and "914." He generally gets only half the number of tubes he orders, at an increase in price of 10 per cent.

Mr. Gray, who opposed on behalf of Meister, Lucius & Brüning, Ltd., took up the same position as in the previous case (*C. & D.*, October 17, p. 41).

Mr. Ellis, on behalf of Mr. G. M. Bresillon, offered to withdraw his application of October 12 (*C. & D.*, October 17, p. 40) if the application of Poulenc Frères is granted.

Mr. Potts having summed up, some discussion took place as to the amount of royalty Poulenc Frères should pay. It transpired that Messrs. Burroughs Wellcome & Co., who have obtained a licence to manufacture salvarsan, are to pay 5 per cent. of the proceeds. The Comptroller said it is conceivable that a higher royalty might be demanded when the applicants had no initial expenditure in regard to plant, etc. It was ultimately suggested that 2*s.* per gram, which is equal to about 10 per cent. on the *ante bellum* price, would be a suitable figure, and to this Mr. Potts agreed. The Comptroller said he would report to the Board of Trade in due course

Patents and Trade-marks.

Decisions.

The following applications to suspend trade-marks have been refused:

"Galalith." Applicant, M. Isaacs. *C. & D.*, October 10, p. 41.

"Koriol." Applicant, J. Partridge. *C. & D.*, September 26, p. 66.

Further Applications.

La Société Anonyme des Etablissements Poulenc Frères have also made applications for the suspension of the following patents granted to Meister, Lucius & Brüning:

"Substituted Aromatic Arsines," 11,625/11.

"Derivatives of diaminodioxyarsenobenzene," 8,219/12.

"Arsenic Preparation," 15,931/12.

The hearing has been fixed for November 11.

BIRTH.

Authenticated notices are inserted without charge.

Stuckey.—At 6 Regent Square, Northampton, on October 18, the wife of E. Y. Stuckey, chemist and druggist, of a son.

MARRIAGES.

Authenticated notices are inserted without charge.

Douglas—Davidson.—At 2330 West Twenty-first Street, Los Angeles, California, on October 19, James M. Douglas, chemist and druggist, late of Arbroath, to Margaret M. Davidson, of Dundee.

McNicol—Young.—At the Hotel Balmoral, Glasgow, by the Rev. C. L. Ferguson, on October 27, David McNicol, chemist and druggist, to Elizabeth, eldest daughter of the late Gilbert Meikle Young, of Shettleston, and Mrs. Young, 20 Apsley Place, Glasgow.

DEATHS.

Authenticated notices are inserted without charge.

Culverwell.—At Minehead, on October 15, Mr. Ebenezer Culverwell, chemist and druggist, aged fifty-two. Mr. Culverwell, who had been in business in Minehead for about twenty-seven years, was a prominent Freemason.

Duff.—At Rosevean, Sutton, Surrey, on October 16, Mr. William Duff, senior partner of Messrs. William Duff & Co., merchants and bankers, 113 Cannon Street, London, E.C., aged sixty-five. For a number of years the late Mr. Duff was associated with the export business carried on by Messrs. Morgan Bros., 42 Cannon Street, and when that firm relinquished that business Mr. Duff started for himself at 113 Cannon Street under the title of William Duff & Co. At the outset he chiefly devoted himself to drugs and chemicals for export to the British Colonies and the Far East, but as time went on other departments were opened up, and to-day the business is one of the largest in the City devoted to merchant shipping. Mr. Duff leaves a wife and two children—a son and a daughter. Mr. Alan Duff, the son, has been actively associated with his father for some years past, and will continue the business as usual. Mr. T. H. Price, pharmacist, and manager of the chemical and drug department for the past thirteen years, will also continue in that capacity.

Greenwell.—On October 20, Mrs. Mary Hannah Greenwell, widow of the late Mr. R. H. Greenwell, chemist and druggist, Chester-le-Street, Durham, aged eighty.

Marjason.—At 93 Kenley Road, St. Margarets, Twickenham, recently, Mr. John Morriss Marjason, chemist, aged sixty-nine. He was formerly in business at Sheen Road, Richmond-on-Thames.

Martin.—At the Middlesex Hospital, London, on October 26, Mr. Charles W. Martin, of the representative staff of Messrs. S. Maw, Son & Sons, Aldersgate Street, E.C., aged sixty-seven. Mr. Martin was laid aside early in the present year by a severe attack of bronchial pneumonia, but had recovered. On medical advice he entered the Middlesex Hospital to undergo an operation for abdominal trouble. The operation took place on Thursday, October 22, and Mr. Martin was apparently pulling through, but died from heart failure on Monday. Mr. Martin was one of the best-known travellers in London. He completed fifty-three years' service with this historic firm, being for forty-six years on the representative staff. On the occasion of his jubilee, three years ago, Mr. Martin received a presentation from his colleagues in the House of Maw, and the firm also recognised his jubilee in a most generous manner. He was also entertained to dinner and presented with an illuminated address by the St. Vincent Association. It is of special interest to note that Mr. Martin's brother, Mr. Tom Martin, completed fifty-four years' service with Messrs. S. Maw, Son & Sons, and their father had also fifty-years' association with the business—a record for the City of London. Mr. Martin was one of the most popular drug-trade men. As a conductor of balls connected with pharmacy he was inimitable, and to those of his own generation at least, and we believe to others, these pleasant functions will never again be what they were without Charlie Martin. As a traveller he was exceptionally successful, and was always welcomed. Mr. Martin leaves a widow and family of several sons and daughters. The funeral will take place at Streatham on Saturday, October 31, at half-past two.

Mr. C. W. Martin.

Rainer.—At 14 Lancaster Road, South Norwood Park, London, S.E., on October 16, Mr. Charles Oliver Rainer, chemist and druggist, late of Messrs. Brodie & Rainer, Demerara, British Guiana, aged fifty-two. Mr. Rainer had a long connection with Demerara, having gone out there as an assistant to Messrs. Scott & Co., with whom he remained for five years, then started business in partnership with Mr. James Brodie, who was also associated with "Scott's," and the business became the largest of its kind in the West Indies. Mr. Rainer found time to give to many outside interests. He was a director of the Demerara Mutual Life Assurance Co., of the Building Society, a member of the Demerara Town Council and of the Poor-law Board, as well as a member of the Board of Examiners for chemists and druggists, Secretary and President of the Chemists' and Druggists' Association. He devoted much time to Church work, and was a Wesleyan local preacher and circuit steward. He retired from business a few years ago.

Thomas.—At Aberffraw, recently, Mr. Henry Parry Thomas, chemist and druggist, who was in business as such before August 1, 1868.

Thomas.—At Cheltenham, on October 20, Mr. Joseph Arden Thomas, chemist and druggist, of Messrs. Thomas, Saxby & Milne, Cheltenham, aged fifty-four. Mr. Thomas was for three years Hon. Secretary of the Cheltenham, Gloucester, and District Pharmacists' Association, and was also President in 1911.

Tocher.—At Glenairlie, Dumfries, suddenly, on October 23, Margaret Craig, widow of the late John Tocher, Ph.C., Dumfries.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Disagreement on the Agreements.

The Insurance Commissioners' proposal that a condition of the dispensing agreements with chemists for 1915 shall be the adoption of stock mixtures, not exceeding ten at any one time, to be dispensed from bulk at half dispensing-fees, is opposed by the Pharmaceutical Society's representatives, who asked local Pharmaceutical Committees not to proceed with the agreements between chemists and Insurance Committees, the first stage of which should have been settled on Friday, October 30. The first official statement about the matter was made by Mr. Uglow Woolcock at a meeting on Thursday, October 22, of which we append a fuller report than that given in our last issue.

The Position in London.

The annual meeting of the County Pharmaceutical Association was held, as briefly reported last week, in the Throne Room, Holborn Restaurant, on October 22, Mr. J. Keall (Vice-President) presiding. The Chairman, in his opening remarks, expressed regret at the absence of the President (Mr. E. White), who had been called away on important business. Mr. E. A. Atkins (South-Western Association) submitted a motion as to extending the usefulness of the P.A.T.A. by ensuring to retailers a minimum profit of 25 per cent. on proprietary articles, and urging the Local Associations Executive of the Pharmaceutical Society to convene a meeting for the purpose of taking action in the matter. Mr. H. Skinner seconded, Messrs. Barrett, Brumwell, Crocker, Ward, Betty, Wolff, Trick (Lewis & Burrows, Ltd.), Murison (Parke's Drug-stores, Ltd.), and Bolwell (Boots, Cash Chemists, Ltd.) supported, and the motion was carried, with one dissentient. The two questions by Mr. Wilkinson and Mr. Barnard were then disposed of (*C. & D.*, October 24, p. 55), after which Mr. Woolcock, on the call of the Chairman, addressed the meeting on Insurance matters. Dealing first with the state of the Drug Fund,

MR. WOOLCOCK SAID

that in the London area chemists are faced with discounting, probably to the extent of 25 per cent. The deficiency is chiefly due to extravagant and frivolous prescribing; the only way to regain the loss is to put the machinery provided by the regulations in operation, and he believed it would be effective. Regarding the 1915 agreements, they had received information that the Commissioners are prepared to sanction the Draft Tariff on terms—viz., that there shall be a certain number of stock mixtures the dispensing-fees for which shall be half the usual Tariff rates. It was impossible for them to accept those terms. (Applause.) It was open to panel chemists to accept them or not. He had declined to do so on their behalf. It was a tremendous decision they had to come to, but a decision would have to be arrived at within the next few weeks. Meantime, instructions had been issued to Pharmaceutical Committees not to take any action till the Local Associations Executive Committee has met. Several members discussed the matter, and it appeared to be the feeling of many of them that, if they could secure the abolition of the discounting clause, the new dispensing-fees for stock mixtures might be accepted, as if they could be sure they would be paid in full the position would be no worse than it is at present. Mr. Wolff and Mr. Woolcock spoke strongly against the acceptance of any reduction of the dispensing-fees, as if they once gave way in this all dispensing-fees might be reduced to the same level. In reply to a member who asked what the Government would do if chemists refuse to serve, Mr. Woolcock replied that the most probable result would be the establishment of State dispensaries. Several motions were brought before the meeting, and voluntarily withdrawn on the Chairman moving that the meeting pledge itself to support any and every action the Local Associations Executive Committee might take in connection with the Commissioners' proposal (49/I.C.). This resolution was agreed to.

The last item on the agenda dealt with the advisability of carrying out a rota in each Metropolitan borough, but, owing to the lateness of the hour, the matter was referred to the Executive for consideration.

The Position Explained and Criticised.

Mr. J. Denton, Wakefield, checker to the West Riding of Yorkshire Insurance Committee, writes:

The effect of Circular 49/I.C. may be likened to that produced if Zeppelins were to drop bombs on London. The simile is rather apt, for the result is to cause disturbance without attaining to any degree the success of the main object.

It may be noted that, except a desultory opposition to copying-fees, it is the first occasion of interference by the Commissioners in arrangements as to the Drug Tariff. The policy seems to have been to leave the doctors and chemists to agree. The possibilities are that this interference indicates an abandonment of that policy. Incidentally, investigation into causes and effects of extravagant prescribing may have revealed the fact that insured persons are not receiving the full benefit of the 2*s.* per head allocated for the provision of sufficient and proper medicines and appliances. The main object of the circular is conservation of the Drug Fund, not in order to make the money spin out as suggested in official quarters, but to secure increased value for expenditure. It would be a pity at the present moment to overlook this fact. It is equally unfortunate that the Commissioners' first attempt at Tariff Reform is capable of producing trouble in the working arrangements, and very inequitable consequences among chemists, besides which it is possible that the insured person may receive an inferior quality of dispensing service. Dispensing traditions demand that equally great care shall be exercised in "finishing off" a prescription as in the preparation of the medicine, obviously with the object of securing confidence of the patient in the medicine as well as in the dispenser. Prescriptions dispensed in glass containers require new corks and labels and a polishing of the container. This cannot be done without expenditure of money and considerable time; remuneration of 1*d.* dispensing-fee is inadequate if this attention is to be given. If it is not given, then there is a liability of the medicine itself being wasted. Patients will not take it if supplied in an unpolished bottle with dirty cork and label.

But the Commissioners suggest that the economies effected by being able to prepare in bulk a stock mixture should make up the deficiency, so that the real dispensing-fee is still 2*d.*, the total Tariff charge being reduced to the ordinary dispensing-fee *plus* the actual cost of ingredients. If the proposition had been to base the Tariff charge of a stock mixture on its cost in bulk, it would have been more difficult to withstand. The *raison d'être* of the stock mixture is the facility with which it may be prescribed in cases where possibly no medicine at all would have been better for the patient. Panel doctors have frequently stated that patients will have medicine whether the practitioner thinks it necessary or not, and the British Medical Association Insurance Committee has suggested the advisability of resisting this demand. It would seem, therefore, that greater economy could be effected by abolishing the stock mixture entirely than by reducing the dispensing-fee.

The actual proposition is that not more than ten of the mixtures given in the local Pharmacopœia should be subject to the reduced fee of 1*d.* per 8 oz. and 1½*d.* over 8 oz. In large congested areas, such as London, Birmingham, and Liverpool, it may happen that the whole ten could be conveniently stocked in bulk by chemists generally. Taking the country as a whole, usually about five will be prepared and kept ready in bulk. It follows that the remaining five on the list would be extemporaneously dispensed at the reduced rate. Again, in large country areas each district within the area has its own local Formulary, and the question arises whether the rule should have effect on this. If restricted to the Formulary for the area, then all these inter-local mixtures escape the application of the rule, and no economies to the Drug Fund are effected. Experience in working Medical Benefit is that where a rule has unequal application smooth working is interfered with by the constant complaints of the maltreated. The possibilities of this unequal application are great, and are in no instance under the control of the individual chemist. Everything depends on the prescriber's predilection for or antipathy to stock mixtures in the Formulary. It is conceivable that the whole panel system may be jeopardised by the withdrawal of all chemists in a district because of the unequal incidence. If in any area it can be shown that the average number of stock mixtures prepared in bulk by the chemist is six, then it would appear unanswerable that this should be the number fixed by the Panel Committee as subject to the rule; if five is the average number usually stocked, then five would be subject to reduced fee, and so on. It is not necessary to select the whole of ten: this is the maximum.

The circular leaves the selection of the mixtures to which the reduced fee is applicable to the Panel Committee, but it is open to the Panel Committee to agree with the Pharmaceutical Committee, presumably as to the selection and as to the keeping properties of the mixtures in bulk. Fail-

ing agreement between them, the Commissioners may decide on the latter point.

No doubt a strong case would reasonably be made for some modification of the methods of payment for dispensed stock mixtures, but the method suggested imposes a large amount of rough working, with a minimum saving to the Drug Fund. It is a fair presumption that the representatives of the Pharmaceutical Society have missed an opportunity of suggesting economies to the Drug Fund at the chemists' expense, which could be shared equally by all dispensers, and in which some tangible result could be secured. Such a result is possible at no serious cost to the chemist.

A Grave Problem.

A Lancashire Pharmacist (138/34) writes: The panel chemist is not the docile creature he was two years ago. Without for the moment going into the pros and cons of the abolition of the discounting clause, the time is now ripe for insisting upon an immediate payment, either partially or wholly, of the moneys owing to us for the years 1913 and 1914, and withholding our signatures to the 1915 contracts until an honourable settlement has been made. It is suicidal to go on any further, and silly to advise the man who kicks to "get out and get under." Let me give two examples of two of my personal friends. To the one is owing over 1,000*l.* and to the other 800*l.*—little fortunes to these men who have made great sacrifices in their trades in order to make the Act a success. These men are held up, like hundreds, perhaps thousands, more, through no fault of their own; cannot pay their way as they used to and ought to; dependent upon wholesalers to grant extensions for piecemeal payments, and then are asked to take a further slose for the year 1915 under similar agreements. A scandalous state of affairs that would not be tolerated even for a moment by a labourers' union! Manchester, after being irregularly paid, has received 60 per cent. only for 1913. The year 1914 is coming out as bad, in spite of the saving on water and the general decrease in price of prescriptions. Wholesale terms and prices have advanced by leaps and bounds (half-heartedly met by the Commissioners, who cannot possibly pay the increases, except through a problematical Government grant), and, generally speaking, men are not being dealt with either fairly or honestly. As a member of the Society, who has contributed his mite to a Parliamentary Fund, I have a right to ask what Mr. Glyn-Jones has been doing not to have brought this scandal before the notice of the House of Commons ere now. It would clear the atmosphere considerably if Mr. Glyn-Jones would tell us the real reason of his quietude. There is not much time left now before the 1915 contracts will be placed before us for our signatures. In the meantime, cannot something be done immediately?

A Most Humiliating Position.

J. M. (140/15), writing from the North of England, says: "To me this agreement seems to place pharmacists in the most humiliating position I have ever known, and I have been connected with pharmacy for over forty years. Perhaps those who have fixed up this agreement have no practical knowledge of Insurance dispensing. I do not think I am any slower than the average man, yet I find twelve prescriptions are as many as I can do in an hour—that is including some with mixture and lotion, but excluding those with pills to make or many powders to put up. But this does not represent the whole time or labour, and I do not believe any man can maintain a level of anything near twelve scripts to the hour if everything is properly taken into consideration. I doubt if stock mixtures can be dispensed in much less time than that. It is not the time occupied in the actual mixing of the medicine, as in writing the label, removing the old label, hunting for repeats, and also personal contact with the customer. The most insidious and damaging clause in the circular 49/I.C. is not referred to by you—I mean the clause stating that the ingredients in stock mixtures shall be priced in bulk. This clause gets to the very roots of the chemist's profit. At present if we have a dozen mixtures each containing 2 drachms bicarbonate of soda, we get a dozen half-pennies. Under the stock-mixture ruling that will be counted as 24 drachms, for which we shall only get ½*d.* In other words, I shall get more profit if I sell a pound of yellow ochre for 2*d.* than I shall get by dispensing many of the 8-oz. mixtures under this agreement. To me this is appalling."

Press Comments.

"The chemists are firmly resolved to refuse to accept the proposed new terms, and if the Commissioners persist it would not be surprising if there were wholesale resignations from the panels. In view of the very small profits yielded even by the present Tariff, and considering the fact that in many districts chemists cannot obtain full payment of their accounts, the proposal to reduce the dispensing-fees is incomprehensible to panel chemists."—*Glasgow Herald.*

"Birmingham has a local Pharmacopœia, and therefore is likely to be affected seriously by the Commissioners' decision. Chemists all over the country have resolved to make a strong protest against what they consider an injustice, as they aver they could not afford to accept the terms. In effect, the proposal is to pay chemists a dispensing-fee of one penny for a large proportion of their prescriptions, and this is at a moment when an unexpended balance of 70,000*l.* to the good is being distributed among the London panel doctors in addition to their statutory fees."—*Birmingham Post.*

"It is asserted that unless the Commissioners withdraw this instruction panel chemists will refuse to renew their contracts, and consequently it is not improbable that there will be wholesale resignations of chemists in all parts of the country. Chemists assert that they could not afford to provide a pharmaceutical service on the terms proposed, and those pharmacists whose businesses are in districts where the drug-bills have been heavily discounted owing to shortage of funds are especially dissatisfied at the new proposal. It is also urged that the encouragement of the use of stock mixtures is not in the best interests of insured persons, each of whom is entitled to individual treatment."—*Morning Post.*

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

ENGLAND.

Birmingham.—At a meeting of the Pharmaceutical Committee held on October 24 the Commissioners' stock-mixture proposal was considered, and the Secretary was instructed to inform the Insurance Committee that they strongly disapproved of it, but could not take definite action upon it until the views of the London Executive and of the local chemists had been obtained. The Secretary read a letter from Messrs. Gill and Lloyd communicating resolutions passed at a private meeting of panel chemists held on October 14. He was instructed to reply "that all the subjects mentioned had been or are being dealt with by the Committee, and an opportunity for their discussion will occur on the 28th inst. in the meeting which had been arranged before October 14." Also "that, had the desire for a general meeting at an earlier date been expressed either to the Secretary or to the Committee, it would have received every consideration." The report of a deputation to the Finance Sub-Committee on the subjects of monthly payments, etc., was adopted. The deputation had been considerately received, and it was hoped that some concessions would result from the meeting. The Secretary read the draft report of the scrutiny of the first year's prescriptions, which it was hoped in a few days to forward to the Panel Committee and to the Insurance Committee. It was approved. The Insurance Committee and the Panel Committee have been approached as to the institution of joint administrative arrangements for checking and scrutinising prescriptions. Messrs. Buckingham, Thompson, and the Secretary were nominated to meet representatives of the other two Committees to discuss the matter.—Mr. W. Shakspear presided at a meeting of panel chemists on Wednesday afternoon, October 28, when the Secretary submitted a report on the work done. The stock-mixture and local Pharmacopœia questions were fully discussed. Mr. Uglow Woolcock was present and addressed the meeting, after which the following resolutions were adopted:

That this meeting instructs its representatives on the Committee to act in conformity with the recommendations of the Executive Committee with relation to the acceptance or rejection of the Commissioners' proposal, and that it be an instruction of the Secretary to call a meeting of all panel chemists directly on receipt of such recommendations.

That this meeting of Birmingham panel chemists refuses to accept half-fees for stock mixtures, and strongly urges the Executive Committee to do all in its power to prevent the inclusion of the proposal in next year's Tariff.

That this mass meeting of Birmingham panel chemists considers the new issue of the Birmingham Insurance Pharmacopœia a discredit to the art of pharmacy and unfair to the insured persons.

Blackburn.—A conference between the Insurance Committee, Panel Committee, and Pharmaceutical Committee was held on Tuesday evening, October 27, regarding the 1915 Drug-contract, but no agreement was arrived at, so that the Commissioners have to be informed that the Drug Tariff as submitted by the chemists should be adopted for the ensuing year. A heated discussion took place regarding the stock-mixture memorandum. Members representing

Friendly Societies strongly supported chemists in their protest, it being called a breach of faith. It was definitely promised, they said, that poor people should have as good dispensing as the rich, and this monstrous proposal, they declared, is a reversion to old club practice. The Panel Committee was in favour of adopting the Commissioners' proposal.

Essex.—The first meeting of the Drug Sub-Committee of the Insurance Committee was held at River Plate House, Finsbury Circus, London, E.C., on October 22. Statistics were placed before the Sub-Committee dealing with the cost of prescriptions in various districts. These showed that the cost varies from 5.05*d.* to 14.7*d.* As a result, instructions were issued that a complete system of checking be inaugurated at once, and that a report be presented at the next meeting, on November 9, when the question of surcharging if necessary will be discussed.—The Medical Benefit Sub-Committee met on October 27, when the new Drug Tariff and Circular 49/I.C. regarding stock mixtures were discussed. As a result, the new clause which the Commissioners require to be inserted in the Tariff (see *C. & D.*, October 24, p. 47) was modified by the substitution of the words "and by consent of the Essex Insurance Committee" in place of the words "or failing agreement between them, adjudged by the Commissioners." In the letter to the Commissioners regarding this modification of the clause a paragraph was attached reaffirming the position taken up by the Committee in refusing to sanction the use of stock mixtures, as being prejudicial to the interests of insured persons. Owing to the urgency of the matter, it was decided to ask the Commissioners for an immediate reply in view of the meeting of the Pharmaceutical Committee on the following day. During the discussion an interesting statement was made by a medical practitioner, who is a member of the Committee, that whereas actuarial calculations made before the coming into force of Medical Benefit stated that not more than 10 to 15 per cent. of insured persons would require medical treatment, it has been found that in a town of 70,000 inhabitants, with 16,000 insured persons and a normal death-rate of 6.4 per thousand, 55 per cent. of the insured persons received treatment during the past year. The doctor in question said he heartily supported the efforts of Mr. Goode in getting the stock-mixture clause modified.—The Pharmaceutical Committee met on October 28 to discuss the attitude to be taken up regarding the new Tariff and the stock-mixture clause. It was a long meeting, but the chief discussion centred round the reply which the Clerk to the Insurance Committee read to the meeting—it had been received an hour or so before. This reply pointed out that it is imperative that the suggested clause regarding stock mixtures should be inserted in the new Tariff, this being done by the Commissioners under powers given them by Article 83 of the Medical Benefit Regulations. The letter added that, while it is requisite that a provision of the nature indicated should form part of any renewed Tariff, it is optional whether it be put into operation. The reduced dispensing-fees will only take effect (1) in the event of a local Formulary being adopted, and (2) in the event of it being hereafter decided to apply the terms of the clause to any of the mixtures specified in the Formulary. In view of this letter, and of the attitude of the Insurance Committee and the Panel Committee—who up to the present are pledged against permitting the use of stock mixtures—the Pharmaceutical Committee decided to accept the clause under protest. The opinion was reaffirmed that the use of stock mixtures is against the interests of insured persons.—The Panel Committee, which met at the same time as the Pharmaceutical Committee, arrived at conclusions practically identical with those reached by the Pharmaceutical Committee.

Halifax.—At a special meeting of the Chemists' Association on October 27 the following resolution was unanimously adopted:

> That the Halifax panel chemists most emphatically decline to accept the addition of stock mixtures to the 1915 Tariff, and are strongly of opinion that such admission would be seriously detrimental to the insured persons, such service not being what the insured are paying for or were promised. They feel that it would be a distinctly retrograde step, and would develop into a gigantic system on lines of the old club practice.

At a joint meeting of the Halifax Pharmaceutical and Panel Committees on October 28 it was decided not to adopt the suggestion of a special Pharmacopœia.

Hertfordshire.—The Insurance Committee have approved of an application by the Pharmaceutical Committee for 63*l.* 5*s.* for administrative expenses, subject to the approval of the Commissioners.

London.—In opening the meeting of the London Insurance Committee, of which particulars were given in our last issue (p. 53), the Chairman (Mr. F. Coysh) welcomed Mr. W. J. Uglow Woolcock as a member of the Committee, and remarked that he would be able to speak with authority on matters concerning chemists, and would be a most useful addition to the membership of the Committee. With regard to the special report as to drugs of which there is a scarcity, and of substitutes suggested therefor, Dr. H. H. Mills, in answer to requests for an assurance that the interests of insured persons would not suffer through less expensive drugs being used, said that many of the drugs mentioned in the report are not commonly used; for instance, infusion of ergot was proposed to be omitted because there is an equally efficient extract. Mr. Rockliff remarked that it was proposed to omit distilled water, and thereby to save about 10,000*l.* a year to the Drug Fund. Cases were to be excepted, however, in which the use of ordinary water would be undesirable. Would the dispenser trouble about any incompatibility? Dr. Mills explained that incompatibility occurs in the case of a few somewhat rare drugs which, if used with common water, precipitate, but it is a matter of common knowledge to dispensers. There is no possibility of harm to an insured person; the risk would be amply covered by the skill of the dispenser. Mr. O. E. Warburg thought all questions would be set at rest if Dr. Mills would give a general assurance that none of the proposals would prejudice the insured person. Dr. Mills said he could quite safely give that assurance, and added that the Medical Benefit Sub-Committee had the benefit of the advice of Mr. Woolcock on this matter. Mr. Woolcock remarked that as long as a prescription written by the doctor has to pass a second hand—the hand of the pharmacist, who has a particular training in incompatibilities and has to pass an examination on the subject—there is not the slightest fear of danger to the insured person. The proposals of the Sub-Committee, already published, were then approved, except that the word "usually" was taken out of the bottle paragraph.

London Panel Committee.—At a meeting on October 27 it was reported that the Insurance Committee had asked whether the Panel Committee would renew its contribution of 800*l.* towards the cost of the statistical examination of prescriptions. In reply to Dr. Butler, who deprecated the expense as unnecessary and ineffectual to secure the doctors a share of the floating sixpence, Dr. Coode Adams remarked that the drain on the Drug Fund is becoming so severe that the very existence of the Insurance Act is endangered. The chemists throughout the land, and certainly in London, are extremely dissatisfied, and threaten not to accept the agreements next year. It was important that the Panel Committee should take stringent action in the matter of over-prescribing, and to do that it is necessary to have the machinery for investigation. It was not a question of the floating sixpence, but of whether the Insurance Act would break down. Dr. T. F. Richards hoped members had read the Scottish report on this subject. It showed that only a few towns exceeded the 2*s.*, and that many were below 1*s.* 6*d.*, so that there is room for economy. London is not the worst of the English cities, but there is need for improvement. Dr. R. V. Donnellan, as a member of the Finance Committee of the Insurance Committee, mentioned that the Drug Fund for 1914 was totally expended by the end of September last. With only two dissentients, the Committee decided to continue its contribution towards the cost of the examination of prescriptions. The first four cases in which allegations by the Pharmaceutical Committee of over-prescribing have been investigated came before the Committee. In three cases the Pharmacy Sub-Committee withdrew (as liable to be misunderstood) its resolution that the drugs ordered were not in excess. It was explained that the Act only allows the Committee to say the drugs are in excess or are not in excess, whereas in these cases the Sub-Committee thought the prescriptions were excessive, but that there were extenuating circumstances which made it unnecessary to suggest surcharging. In the remaining case a surcharge was considered justifiable, and there were some strong comments upon the case. The principal facts found by the Sub-Committee were that the practitioner had 1,341 insured persons on his list, and the total cost of 465 prescription-forms in the period April 12 to 30 was 48*l.* 12*s.* 1*d.* The average cost was therefore 2*s.* 1*d.*, and the average cost per insured person 8¾*d.* Eighty per cent. exceeded 2*s.* in value. Apart from too frequent repetition of a medicine, the practitioner ordered larger quantities than were apparently necessary. On 219 occasions 16 oz. of mist. quin. c. ferro or mist. tussis or mist. bismuth. were ordered. One patient received 10 lb. of cod-liver oil and malt in seven days, and another in six days received 90 oz. (180 doses) of various mixtures. The practitioner's defence was that he could not be held responsible if an insured person took medicine in larger quantities than was intended or gave

the medicine to other members of the family, and that a practitioner could not refuse to prescribe if a patient stated that the medicine had been consumed.

London Pharmaceutical Committee.—Mr. J. Keall presided at a meeting on October 20, when it was decided that the existing arrangements for checking accounts by the Drugs and Appliances Sub-Committee should be continued for 1915. It was reported that it was improbable that the Drug Fund for 1914 would exceed 147,739*l*. It was agreed that the amount to be credited for the payment of drugs, etc., supplied to temporary residents should be decided by an estimate. The report of the Joint Conference of the Insurance, Panel, and Pharmaceutical Committees on the 1915 Tariff was adopted (*C. & D.*, October 24, p. 53). Regarding the Pharmaceutical Service Scheme under Article 10 (3), 1,131 reply postcards were issued, and 981 were returned with hours of business duly filled in. From the particulars ascertained it was deemed sufficient to state the business hours on week-days, Sundays, and Bank Holidays; the previous resolution agreeing to place an asterisk on the panel indicating where urgent prescriptions would not be dispensed was therefore rescinded.

Plymouth.—At a joint meeting of the Pharmaceutical Committees for Plymouth, Devonport, and Stonehouse, held on October 27, the Commissioners' stock-mixture proposal was considered. It was decided to write to the Commissioners strongly protesting against the issue of such a vital alteration in the Tariff, seeing that in Circular 201/I.C., received on September 25, it is expressly stated that it is not proposed to make any other alterations than those set out in Par. 4. The letter adds that at the meeting of the panel chemists called to consider the September circular it was decided, notwithstanding the almost impossible position in Plymouth, to recommend chemists of the district to continue their services as an affirmation of confidence in the British Government and because of the present crisis in public affairs. The chemists consider that the new circular is a breach of the honourable understanding which was then arrived at.—The Devonport Insurance Committee met on October 27, and had before it a resolution of the Medical Benefit Sub-Committee protesting against the action of the Commissioners in refusing to consider the unfortunate position in which Devonport chemists are placed as a result of the amalgamation of the Three Towns, and in thus forcing upon them the alternative of accepting service with a Committee which has in the past been unable to meet its obligations, or refusing to do so and losing such portion of their legitimate business as has been swept into Medical Benefit under the Act. The Clerk (Mr. E. R. Royle) said he had been in communication with the Clerk to the Plymouth Insurance Committee, and had been informed that that Committee is anxious to pay the chemists in full, and has already urged upon the Commissioners that the large discount which has taken place is unfair and unreasonable. Mr. Wood moved that the resolution be referred back. This motion was not seconded, and the Committee's resolution was adopted.

Portsmouth.—At a meeting of the Insurance Committee on October 22 it was reported that it had cost 100*l*. to check chemists' accounts, and the discrepancies discovered did not exceed 3*l*. A letter from the Commissioners was read to the effect that if the Committee had reason to believe that over 5 per cent. of the insured population had joined H.M. Forces, the 10-per-cent. margin that had been suggested might prove insufficient to cover the loss to the Medical Benefit Fund. It was therefore decided that the payments to doctors and chemists for the third quarter of 1915 should not exceed 80 per cent. of their respective claims. When the 1915 Tariff came up for consideration, Mr. S. Dawe suggested that doctors whose prescribing amounts to more than 2*s*. per person should be surcharged.

Sheffield.—At a meeting of the Pharmaceutical Committee on October 21, Mr. G. R. Airey (Boots, Cash Chemists, Ltd.) was co-opted a member *vice* Mr. Reynolds, resigned. The suggested Tariff for 1915, dated October 17, and the stock-mixture proposal were discussed, and it was decided to accept the Tariff with the conditions as to search-fee previously agreed upon (*C. & D.*, October 17, p. 57), but that the Committee protest most strongly against the clause regarding stock mixtures at half the usual dispensing-fees being inserted in the new agreements. A joint meeting of representatives of the Insurance, Panel, and Pharmaceutical Committees was held on the same date, when it was decided that it was advisable to make an analysis of prescriptions, so that Article 40 of the Regulations might be brought into operation, in accordance with the Commissioners' circular. It was decided that the Insurance Committee should pay one-half of the expenses of the work, and that the Panel and Pharmaceutical Committees should pay one-quarter each, subject to the consent of the Commissioners. It was agreed that 7,300 prescriptions, which had been investigated for recording purposes, should be submitted to the Panel Committee for investigation under Article 40 of the Regulations.—The Medical Benefit Sub-Committee, having considered the objection of the Pharmaceutical Committee to the insertion of the stock-mixtures clause in the 1915 contract, have replied that they have no option but to demand its insertion and ask if the panel chemists are willing to sign. The Pharmaceutical Committee are calling a special meeting of panel chemists for Friday evening.

Southampton.—The Insurance Committee is paying panel chemists 90 per cent. of their accounts.

Southend-on-Sea.—The Insurance Committee met on October 26. In view of the fact that they take over their duties in the New Year, Mr. Burrows (Chairman of the County Committee) and Mr. Wylie (Clerk) were in attendance to direct proceedings. The long agenda, including the selection of the various Committees, was hung up by the discussion as to the advisability of remaining in the County Committee for administrative purposes for the sake of economy. It was conclusively shown that it would be an impossibility to run the Committee upon the sum allotable for the work. A Sub-Committee of nine was appointed to deal with the matter. Mr. Heywood, the chemists' representative, was present.

Surrey.—The report of the Insurance Committee's Medical Benefit Sub-Committee, submitted on October 28, recommended that the Draft Tariff for 1915 as submitted by the Pharmaceutical Committee be approved as the basis of the chemists' agreements for 1915. Payments to chemists of 500*l*. 8*s*. 6*d*. for the month ended September 11, and of 6*l*. 2*s*. 6*d*., being payment in full of accounts in respect of temporary residents for 1913, were passed, and it was decided that advances to chemists during the quarter commenced October 12 should be at the rate of 90 per cent. of the accounts as rendered. The Sub-Committee, after considering the Commissioners' Memo. 199/I.C., recommended that the list of articles which may not be supplied at the cost of the Drug Fund, issued by the Committee in January 1914, should be withdrawn on January 1, 1915, as the Committee was of opinion that any list of articles which the Panel Committee considers it desirable should not be prescribed by panel practitioners should be prepared by the Panel Committee and submitted to the Insurance Committee for approval. Regarding the checking of prescriptions, it was reported that the Insurance, Panel, and Pharmaceutical Committees had each agreed to pay one-third of the cost of the work, to be under the control of the three Committees jointly. In regard to the stock-mixture clause, it was reported that the Panel and Pharmaceutical Committees had that afternoon considered the matter, and they had decided that as the Draft Tariff for 1915 had been accepted by the Medical Benefit Sub-Committee, it was unfair that this should now be sprung on the chemists. It was moved that this be incorporated in the report of the Sub-Committee, and that a copy be forwarded to the Commissioners.

West Hartlepool.—The Insurance Committee on October 21 referred the question of the cost of drugs and appliances to a Sub-Committee of representatives of the Insurance, Panel, and Pharmaceutical Committees. A request by the Pharmaceutical Committee that they be supplied with the prescriptions for the first three quarters of 1913 for the purposes of an investigation was granted. The Committee, however, refused to bear any part of the cost of the investigation, as the prescriptions had already been checked in the office of the Committee, and also to supply the numbers of insured persons on each doctor's list for 1913. It was resolved that certain doctors be surcharged, as recommended by the Panel Committee, and that certain changes in the Drug Tariff recommended by the same Committee be referred to the Drug Tariff Sub-Committee for consideration. Mr. T. Hardy (Boots, Cash Chemists, Ltd.) has been elected a member of the Pharmaceutical Committee *vice* Mr. D. G. Cordiner, of Taylors' Drug-stores, Ltd.

SCOTLAND.

Prescription-checking Bureau.

The Insurance Commissioners have issued to Insurance Committees a draft scheme (Memo. 598) for the establishment of a central Bureau for the systematic checking of prescriptions and chemists' accounts, as agreed to by the meeting of representatives of Insurance Committees recently held in Edinburgh (*C. & D.*, October 10, p. 55). It is proposed that the Bureau should be managed by a combination of Insurance Committees through a Joint Committee representative of such Committees, and the work of the Bureau would be to provide Insurance Committees with

arithmetical and analytical data necessary to enable them and the Panel and Pharmaceutical Committees to exercise their functions under the Medical Benefit Regulations. Particulars are given as to the staff considered necessary by the Commissioners and the estimated cost of the scheme, and how it should be borne. Briefly, the staff would comprise a chemist superintendent at 250*l.* to 300*l.* a year, a chemist assistant-superintendent at 120*l.* to 150*l.*, and thirty-three others (mostly women) at from 10*s.* to 35*s.* a week, the annual cost being 2,891*l.* These are estimates, and the London County arrangements are the model worked upon. It is suggested that the cost should be met by charging each Insurance Committee in proportion to the number of prescriptions dealt with by the Bureau. The Commissioners have also noted the suggestion made at the conference of representatives of Insurance Committees, above referred to, that as doctors and chemists are closely interested in the work of the proposed Bureau, some arrangement should be made whereby they might contribute towards the cost. In this connection, the Memorandum states, the Commissioners have not yet been able to ascertain the attitude of practitioners in regard to the matter, but they note its favourable reception by the General Council of Panel Chemists, and the resolution that Pharmaceutical Committees should contribute to the expenses of such a Bureau, provided that panel chemists are directly represented on the Committee of Management of the Bureau. The distribution of the cost and the question of the representation of the Panel and Pharmaceutical Committees on the Joint Committee are, the circular adds, matters for subsequent consideration. An outline of the work to be carried out by the Bureau is given—viz., pricing, checking, and analytical check. The positions of Insurance, Panel, and Pharmaceutical Committees in relation to the proposed scheme are summarised. Insurance Committees are requested to consider the matter and communicate their views to the Commission not later than November 14, 1914, so that, if necessary, the Bureau may be brought into operation on January 1, 1915.

Aberdeen.—Mr. J. Johnston, checker, reporting to the Insurance Committee on October 28 on the checking of prescriptions for August, states that of 8,159 prescriptions checked, 658 were incorrectly priced, 597 being overcharges and sixty-one undercharges. The excess of overcharged prescriptions over undercharged prescriptions amounted to 4*l.* 11*s.* 8*d.* There were fifty-six prescriptions not chargeable to the Drug Fund, representing 4*l.* 18*s.* 9*d.* Mr. Johnston reported that the continued use of "Rep. mist." rendered a thorough check difficult, as the original prescription was frequently dispensed in the previous quarter. It was also stated that by a revised system of checking, in which the Committee's staff were co-operating, it was expected that the checker would be able to supply valuable information regarding the prescribing habits of the practitioners.

Berwickshire.—The Insurance Committee on October 17 considered a Sub-Committee's report regarding a claim by Dr. Georgeson (Lauder) to dispense for the majority of his insured patients. Mr. J. H. Scroggie, chemist and druggist, Lauder, objected, and the Sub-Committee recommended that, unless exceptional circumstances could be shown, the dispensing should be done by the chemist. The recommendation was carried by a large majority.

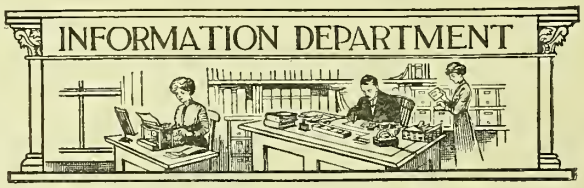
Dundee.—At a meeting of the Insurance Committee on October 21, Dr. R. Cochrane Buist explained the official circular regarding the establishment of a central prescription-checking Bureau. After discussion it was resolved that each member of the Committee be provided with a copy of the memorandum, and that the Medical Benefit Sub-Committee consider the matter and report.

Edinburgh.—At a meeting of the Insurance Committee on October 22, Dr. Michael Dewar, referring to the report of the Medical Benefit Sub-Committee on the expenditure on drugs and appliances for 1913, stated that the serious depletion of the Drug Fund was due to confusion between Medical Benefit and Sanatorium Benefit, especially the supply of foods and medicines to chronic phthisical patients. The matter was recommitted to the Sub-Committee for consideration and report.

Glasgow.—The Pharmaceutical Committee met on October 21, when it was intimated that 50*l.* had been received on account for administrative expenses. Mr. W. Cullen (Govan) was co-opted a member in place of Mr. J. Murchie, resigned. The Secretary stated that it was expected that the report of the scrutiny of prescriptions for the first quarter of 1914 would be in the hands of the Committee in a week or ten days. The conditions of the 1915 agreements were explained. Accounts in the burgh area had been paid in full down to June 30, and the available surplus for August (about 600*l.*) and the very moderate dimensions of the September accounts make it practically clear that the prospect of discounting in Glasgow for 1914 is now unlikely. It was arranged to hold a meeting of panel chemists in the burgh area early in November, when the position is clear, and it will be possible for everyone to know precisely the conditions under which he will be asked to accept service for 1915. A motion "that in the circumstances the Committee advise chemists to adopt the recommendation of the General Council of Panel Chemists to continue service in the meantime, while strongly adhering to their demands for better remuneration," received some opposition, but was carried.

Note.

Departmental Committee on Drug Tariff.—The Council of the British Medical Association has appointed Dr. John Adams and Dr. R. W. Wallace Henry to represent the Association on the Departmental Committee appointed to consider and report what margin of profit (apart from discounting) is yielded by the present Drug Tariff; what revision, if any, of prices is required to place that Tariff on a commercial basis, and whether any extension or rearrangement of the list of priced drugs and mixtures is desirable; to make such investigations as they may think necessary for this purpose, either generally or in particular areas, and to submit a Tariff in accordance with their recommendations.



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136/582. Dr. Forbes' bronchial pastilles.
136/583. Arsenical soap for dressing skins.
136/584. "Cara Mia Cream."
136/585. Layoline.
136/586. Nuttall's soft soap.
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Glass nasal douches, 93/74
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Jahncke's patent tins, 137/60
London and General Water Purifying Co., 134/37
Maize starch powder, 131/20
Malt extract in powder, 136/53
Mear's carphone, 135/46
Menthol cones, 132/16
Nasal douches (glass), 136/74, 136/28
N.H.I. scripts pricing, 140/40
Orilene capsules, 141/8
Paraffinum liquidum, 133/50
Patent tin, No. 16,899/07, 132/71
Peptone, 137/7
Sulphur roll (5-ton lots), 129/13
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Temperature charts, 126/61
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Vulcanite goods, 96/5, 97/27,
Watson's feeder, 91/54
Wickered Cologne bottles (British-made), 115/24
Wilkinson's sarsaparilla, 111/67
Wood's bottles, 125/45
Wood distillation plant, 89/2
Yeast powder, 127/30

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

The Discounting Clause

is so obviously the point for attack in our efforts to obtain better conditions under the Insurance Act that one wonders why it has not been more vigorously assailed, and I heartily welcome the attempt of Messrs. Gill and Lloyd to organise the trade against it. The present arrangement is unreasonable in itself and unjust in practice. We have perhaps no great cause to blame ourselves as business men for accepting it after the assurances we had received from all quarters that the amount allotted to the Drug Fund was amply sufficient, but now that experience has shown that it is insufficient, and likely to remain so, we must insist on an alteration. It matters not at all from our point of view why the amount is insufficient; it is no proper part of our function to dictate to the doctors or to check them. The responsibility for medical treatment lies entirely with them, and we ought not to have thrust upon us, or to accept, the position of censors to the faculty. I have, let me add, no wish to stir up panel chemists to any

"Sudden Flood of Mutiny."

It may be humiliating to have to confess that we cannot afford to mutiny, but in my opinion it would be more so to abandon a task we have undertaken, and which properly belongs to us, in any such fashion. I am convinced that, if properly presented, our case would win the assent of Parliament (if the Commissioners are powerless in the matter) to a more equitable arrangement, and that if we were well organised we could so present it. All we want is a leader of genius and unity among ourselves; and if we cannot effect the latter, at any rate, we deserve nothing better than the government we have. It is said that this is not a time for agitation, and certainly it is not one for disloyalty to duty, but there is no implication of disloyalty in asking for justice. We want nothing that would embarrass Government or add one penny to the expense of administering the Act. We only ask that discounting should fall on those who necessitate it—only that when our accounts are in order they should be paid—only that Government should discharge its obligation to us as we discharge ours to Government.

The Threat of a Strike

ought not to be necessary to this end, and I cannot think that it is. It would, moreover, as the reply of the Commissioners to the General Council of Panel Chemists in Scotland clearly shows, be futile. If we resign the work, others will be found to do it. To withhold signatures from future contracts as long as possible may be all very well, but it is not clear what good will come of withholding what will have to be supplied before any remedy for our grievance can be arranged; and though there cannot be too many resolutions against the discounting clause, there is not much virtue in resolutions which resolve nothing. I would suggest that every chemist who signs the contract should notify the Pharmaceutical Committee for his locality that he has done so on the understanding that during the coming year a formal demand for the revision of the obnoxious clause will be made by a deputation representing every such Committee in the country. I do not like the Commissioners' proposed addition to the new Tariff? Why should we in any case be deprived of half our dispensing-fee? The addition is probably designed to meet the discounting difficulty, but it does so, if at all, by cutting off a piece of the blanket at one end for the purpose of lengthening it at the other. We must attack the dispensing clause directly, not by any flanking movement, and we must do it with a determination not to accept anything less than we ask for.

Coals of Fire

would be wasted on a head of such density as is that of the writer in the "Apotheker Zeitung" who finds matter of offence in my note on the capture of German trade; but I will not offend him again, unless he thinks it offensive to be told that to me one of the greatest sorrows of this war is that of the loss of the Germany I loved years ago—the Germany that gave us folk-songs and fairy-tales, the Germany to which later we owed Lessing, and Schiller, and Goethe, and Richter, and Heine, and of which I have had glimpses in the Harz, and along the Rhine, and in the Odenwald and the Black Forest. It was Heine, if I am not mistaken, who said God had given the French the command of the land, England the command of the sea, and Germans the command of the air, but since Germany became a nation she has come down to earth with a vengeance. She seems likely to sink lower yet.

The Reopening by the Government

of the business of Meister, Lucius & Brüning, at Ellesmere, is one of the most extraordinary facts of the present situation. The reason cannot be the preparation of salvarsan, since that is to be made by Messrs. Burroughs Wellcome & Co., therefore I judge that your statement is correct that the object is the manufacture of dyes. If this be so, the action is either a confession that, for some reason or other, we are incapable of producing aniline dyes, or that we are unwilling to set up factories for the purpose. I cannot believe that we are so destitute of chemical talent that we are unable to carry through work of this kind; indeed, there are already firms in this country who make dyes. Nor can it be the want of capital, since there is any amount of money available for enterprises that promise a return on the investment. What, then, is wrong? Is it that manufacturers are unwilling to put down ten or twenty thousand pounds for the necessary plant without some guarantee that the whole will not be thrown on the scrap-heap after the war? If so, I cannot blame them. If through the operation of our regulations as to the use of spirit, or the probability that the Germans will, by means of cheap labour, be allowed to cut us out in our own markets, no one need be surprised if manufacturers show no eagerness to capture the business that is said to be going a-begging. If the Lancashire trade is languishing on account of the lack of dye rather than of cotton, and if it gets into the heads of Manchester politicians that some fiscal rearrangement is essential to recovering control of business, I shall be quite prepared to see proposals made that would make the hair of the old Chartists stand on end.

Criticism of the New B.P.

has begun early, and by the time the volume reaches the hands of pharmacists many of them may have already made up their minds regarding it. I am not sure if it is quite fair to embark on criticism, though I myself sinned last week in this respect, until the book is actually on sale, and for that reason I would hesitate to subscribe to Mr. Pilkington Sargeant's statement that it is "a dismal failure." Judging from what you have published regarding the pharmacy, it does not appear as if there was anything startlingly novel, but there may be some dark horses in reserve, therefore I shall suspend judgment till the experts have had their say. There is a possibility also that pharmaceutical opinion may be influenced by the wish that is father to the thought, and members of the Pharmaceutical Council may be expected to look for blemishes and imperfections rather than for strong points. How different it would have been if only they had had the nomination of the editorial committee!

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Editorial Articles.

Medical Students and Practitioners.

The medical schools all over the country report that fewer students have commenced medical studies in the October session than the average number. This was noted at the graduation ceremony in Edinburgh last week, and it is reported from Cambridge that the number entered there this year is 64, compared with 116 last year, 110 in 1912, and 114 in 1911. At one college noted for its medical studies 32 entered as medical students, but of these only 17 have come into residence. "The Times" says: "The public has not yet awakened to the very serious facts that these numbers indicate; there is going to be an appalling shortage of doctors in the near future." As to immediate qualification the view is that medical students should fulfil their course and become qualified at the earliest possible moment. The General Medical Council and the War Office say so, and many young men in their last year have taken advantage of the special Final examinations, passed them, and entered the Army Medical Service. "The Lancet," in an article on the war and the dislocation of private practice, states that the dislocation consequent on general practitioners being called to military duties is becoming grave, but adds:

"It may now be possible to permit some medical practitioners, whom mobilisation has removed far from their ordinary sphere of work, and whose value to the community would be much greater in that sphere than elsewhere, to make exchanges. There is no shortage whatever of medical men willing to serve their country anywhere and in any capacity. To our certain knowledge several thousand practitioners are willing to place themselves at the disposal of the War Office, or have absolutely done so already. Some of these men are younger than others, and in many instances are discharging no duties which cannot be effectively discharged by others."

These considerations are worth noting, particularly as pharmacists may in their capacity as such be of service in helping medical men to get through their work by relieving them entirely of their dispensing responsibilities, and even undertaking such clerical work as is essential in their practices. As to the future supply of medical practitioners, that will have its compensations after the war. A long-headed man has stated that our birth-rate will fall, and this means less use for medical men.

Quinine.

Although almost three months have elapsed since the outbreak of war it is a notable fact that, contrary to general expectations, the price of quinine has not substantially advanced like many other chemicals. This is easily explainable, because shortly after the declaration of war the British Government prohibited the exportation of cinchona and quinine, and in response to a petition to the Board of Trade very little encouragement was given to hope for an early removal of the restriction. Messrs. C. M. & C. Woodhouse, of Mincing Lane, in their monthly cinchona and quinine circular, point out that the effect of these restrictions has been more or less to paralyse the London bark and quinine market. It is true that permits are obtainable for shipments to India and the British Colonies, but as the United Kingdom is not a large consumer of quinine there is no reason whatever why the embargo should not be lifted in the case of exports to our Allies and neutral countries. Moreover, we have two years' supply on hand, and Holland is sending very fair quantities of Dutch-made quinine, and the Bandoeng Quinine-factory is now offering direct to wholesale buyers.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, OCTOBER 31, 1914.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E.—Cash Retail Business; all middle-class trading; good position; returns between £1,400 and £1,500; *profit above the average of Retail trade*; modern-fitted shop, with comfortable residence attached; price £625, or valuation terms if desired; ill-health cause of sale.

2.—LONDON, S.W. (Favourite Residential Locality).—Retail and Dispensing Business of good class; established many years; returns (present rate) £1,400 *plus* £80 and £100 from Drug contract; *gross profit* 45 *per cent.*; full investigation permitted; further details on application.

3.—LONDON, W. (Main Thoroughfare).—Retail and Dispensing Business; steadily increasing; returns now about £20 per week, at fair prices; price £450.

4.—ESSEX (Suburban).—Retail and Dispensing Business; established many years and held by vendor 20; returns (present rate) £700; *net profit* £232; comfortable residence; price £260.

5.—LONDON, N.W.—Retail and Dispensing Business; capable of considerable increase; returns £750 at good prices; well-appointed shop and premises; held on lease; to effect a speedy transfer the sum of £300 will be accepted; ill-health cause of sale.

6.—HOME COUNTY (within easy distance of Town).—Retail and Dispensing Business, chiefly ready-money; returns £600; *net profit* 33⅓ *per cent.*; rent £36; price £350; the district is rapidly growing and offers scope for extension of trade.

7.—SURREY (Main Line of Rail).—Retail and Dispensing Business; established upwards of 60 years; returns average about £540; *net profit* £170; terms, valuation, about £150 to £200.

8.—BRISTOL CHANNEL (Seaport).—Thoroughly sound Retail and Dispensing Business in busy main thoroughfare; returns £1,500 yearly; capital premises; to effect a speedy sale vendor will accept valuation of stock and fixtures.

9.—HOME COUNTY.—Retail and Dispensing Business; situate in a very good-class locality; returns (present rate) £1,200; modern shop, fully stocked; comfortable residence, with small garden; price about £600.

10.—DEVON (Good-class Watering-place).—Retail and Dispensing Business; returns between £750 and £800 at good prices; large residence; held on lease; price £500.

11.—WORCS.—General Retail and Agricultural; well situated; returns £500 at good prices; double-fronted shop, convenient house; rent moderate; price about £170; must be sold.

12.—HOME COUNTY.—Unopposed Business; established many years; returns between £750 and £800; *net profit* £310 (proof given); large residence, with good garden; rent £60, sublet £30; price £400.

13.—MANUFACTURING TOWN (North of England).—Good-class Retail and Dispensing; little N.H.I.; returns £1,300 at fair prices; large house and garden; price £900.

14.—SUFFOLK (Death Vacancy).—Old-established Business; much neglected; capable of considerable increase; returns average about £900 yearly; roomy premises, with outbuildings; rent £35; valuation of stock and fixtures only required.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,000 (nearly) returns.—LANCASHIRE.—Good sound General Retail, with plenty of scope to add Optical and Photo; nearest opposition nearly a mile away; rent £30; at valuation of stock and fixtures, about £425.

£500 (over).—LINCOLNSHIRE.—Branch Retail in small country town; could do very much more under personal attention; valuation about £200.

£1,000 returns.—YORK.—Good middle-class Retail, showing over £260 net profit; fine opening for N.H.I.; price £325.

£600 returns.—SURREY.—Good-class Light Retail and Dispensing; fine opening for Optics; valuation about £400.

£1,300 returns.—YORKS.—High-class Retail and Dispensing; good shop and house; net profit £300; at valuation of stock and fixtures, about £900.

£500 returns.—YORKS.—Middle working-class Retail; can be greatly increased; valuation of stock and fixtures, about £175.

£1,400 returns.—LANC.—Exceptionally fine position in desirable seaside resort; net profit £300; unlimited scope for Optical; price £900.

£800 returns.—SOUTH COAST.—Good-class Retail and Dispensing; net profit £250; death vacancy; valuation about £350.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Tel. No. Finchley 812.

Recommended by— BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.

All correspondence should be addressed as above:

And at 174 VICTORIA STREET, S.W. Tel. No. Victoria 27.

A Register of Businesses for Sale of every class and size in town and country at reasonable prices. Inquiries invited from Purchasers, notifying the kind of business desired, the locality preferred, and amount of capital it is desired to invest.

Buyers' Register. Vendors invited to apply for form to fill in with particulars of Business they desire to sell, which is treated with strict confidence.

No liability incurred unless a sale is made from my introduction.

The examination of Businesses for Sale or Purchase is made on specially low terms. Parson C. Baker has made a speciality of this, and his long experience in every class of business enables him to give valuable advice and assistance in negotiations.

Valuations are made on moderate terms for Sale, Probate, or Account purposes in any part of the United Kingdom.

Prompt personal attention is given in every case.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

Established over Half a Century.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—HOME COUNTY (25 miles out).—Good-class Light Country Retail, in best position of pleasant market town; returns £1,200, increasing; net profit £350; large house and garden; stock and fixtures worth fully £650; price £800, or near offer; will stand fullest investigation.

2.—SURREY.—High-class Business in first-class residential district; now under manager; was doing £1,400, and can be made do £2,000; in excellent position; handsome modern front, and fully stocked; low rent; price £750, or £100 and valuation; personally inspected and recommended.

3.—HAMPSTEAD (near).—Good-class Retail and Dispensing Business for immediate Disposal, owing to serious illness of owner. Present returns under manager £10 to £12 a week; can easily do £20 in smart hands; splendid main road position; handsome pharmacy, well stocked; price £250 cash; exceptional offer; only requires seeing.

4.—CHESHIRE.—Good-class Dispensing and Light Retail; over 3,500 private scrips yearly; returns £1,000; net profit £300; Assistant kept; good residential locality; nice house, etc.; price £750.

5.—BIRMINGHAM.—Light Family Retail, Prescribing and Dispensing Business; returns over £1,300; clear net profit £400; low rent; lock-up shop, well fitted and heavily stocked; price £650, under valuation.

6.—LINCOLNSHIRE.—Good-class Retail, Dispensing, and Prescribing, with N.H.I.; returns £1,600; net profit about £600; low rent; busy market town; price £900.

7.—KENT (near Town).—High-class Retail and Dispensing Business, increasing; returns over £700; good profits; nice house and garden; main-road position; price £500, or offer; stock and fixtures worth £400 to £450.

8.—NORFOLK.—Old-established Retail and Agricultural Business, in good market town; same hands many years; neglected; returns over £800; net profit about £250; can easily do £1,200; price simply valuation, all over £400 can remain.

9.—SOUTH COAST.—Good-class Retail and Dispensing, with own Proprietaries; net profit £276; attractive shop, well fitted and stocked; large house and garden; same hands many years; price, simply valuation; part can remain.

10.—DEVON COAST.—Good-class Retail and Dispensing Business, increasing; returns nearly £800; good profits; large shop, modern fittings and good stock; price £500, little more than valuation.

11.—LONDON, N.W.—Sound middle-class Cash Retail Business; in good position; returns over £1,500; net profit nearly £500; books open to fullest investigation; own property; low rent; price £800.

12.—NORTH LONDON.—Very profitable Light Suburban Retail Business, in unique position; returns £800; net profit £300; books well kept; price £425, or offer; £200 can remain; strongly recommended.

CHEMISTS v. INCOME TAX.

Owing to the War, the Income Tax for some years to come will be much higher and a good many incomes are likely to be lower; but you will not be able to prove this to the satisfaction of the assessors unless you take stock. Now, more than at any time in the past, chemists should have their stocks taken Please apply for our pamphlet on stocktaking; our terms are so low that anyone with even a moderate size business can afford to have it done properly.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BIRMINGHAM (Main Road, Busy Quarter). — Old-established Chemist's and Panel Business; returns, including panel, over £700; net profit £150; stock, fixtures £190; lease six years; price £160 quick sale; part could remain; owner joined A.M.C. ordered abroad. Apply, "C.," 94 Regent Street, Smethwick.

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. H.," 113 Bridge Street, Bradford.

LANCASHIRE. — Country Business; colliery district; nearest opposition over one mile; returns £550, increasing; excellent profits; suit qualified or unqualified: valuation, about £140, or nearest offer; trial given if necessary. 21 6, Office of this Paper.

LANCASHIRE Town.—Genuine Light Mixed Retail Business; Wine and Spirit Licence; old-established; gross profit £700; price £700; every inspection allowed to bona-fide applicants. Apply, "Jury" (13/14), Office of this Paper.

LONDON, E.—Genuine little Business in busy working neighbourhood; no opposition whatever; fine opening for N.I.D., Dental, Clubs, etc., all untouched; smart, well-fitted shop; electric light; premises in thorough repair; rent, expenses, etc., under £1; personal reasons for selling; all at about £95. 24/029, Office of this Paper.

LONDON, N.E.—Old-established, profitable Cash Retail Business; in same hands many years; present turnover between £700 and £800; not on Panel, otherwise would be doing over £1,000; very good position; fully stocked; illness sole reason for selling; price for early sale £300; exceptional opportunity for smart man. "Otto" (24/14), Office of this Paper.

LONDON, N.W.—First-class Dispensing and Retail Business for Sale through illness of proprietor; price £250. 22/27, Office of this Paper.

LONDON, S.W.—Old-established Business; run on modern lines; splendidly fitted with electric light and gas; well stocked; long lease; open to reasonable offer for immediate purchase. Personal inspection invited after applying to "Selttart" (143/7), Office of this Paper.

MANCHESTER.—Well fitted and stocked Pharmacy on main road for Sale; low price for quick sale; vendor giving up business. "X.," c/o Quilliam & Co., Ltd., Chapel Street, Manchester.

NORTH KENT.—Snug little Pharmacy; returns over £1,200 without N.H.I. and other outside takings; well-fitted shop, ample stock; good position; all cash trade except N.H.I.; many good Proprietaries; business could be increased with personal attention; ill-health; accept valuation or reasonable offer. Full particulars on application, 22 2, Office of this Paper.

OXFORD STREET, W. (Two doors from).—Exceptional opportunity occurs of acquiring first-class West-End Retail Business at a low figure; increasing turnover and scope for smart Chemist. Full particulars from 24 24, Office of this Paper.

SOUTH WALES.—Good old Family Business for Sale; price about £600; turnover £800, has been £1,500; neglected; large house, bath room; corner position; any length lease can be had; three months' engagement to suitable purchaser to test the genuineness of the purchase. Apply, 19 22, Office of this Paper.

SUSSEX.—Unopposed Country Business for Sale; beautiful locality 20 miles from coast; lock-up shop; takings £800; full prices; profits unusual; very low rent; plenty of scope. 131/61, Office of this Paper.

YORKSHIRE City.—First-class Suburban Business; old-established; turnover £1,250 to £1,300 yearly; a bargain; investigation desired; price, valuation. 17 29, Office of this Paper.

CHEMIST and Drug Stores for immediate Sale owing to death; population 2,000; nearest Chemist 5 miles; exceptional chance for anyone with capital; will accept first reasonable cash offer; rent £18 and taxes. "Chemist," Rainham, Essex.

CHEMIST; just closed; established 30 years; handsome shop, convenient dwelling; good position; near Stratford Broadway; all fittings, fixtures, stock, etc., complete, ready for re-opening; rent £40; premium £50; an astounding bargain. Apply, Mr. Bacon (Landlord), 25 Liverpool Street, E.C.

CHEMIST'S, Stationers's, etc.; country town in the South of England; old-established business, showing good profit; £500 only; stock and fittings at valuation. Reply, 281/11, Office of this Paper.

CHEMIST'S Business in Elgin for Sale.—The desirable Chemist and Druggist's Business carried on by the late Archibald Richmond, at 176 High Street, Elgin, is for Sale by private bargain; this is an excellent opportunity of acquiring a good Dispensing business. For further particulars apply to E. D. Jameson & Young, Solicitors, Elgin, with whom offers should be lodged.

FOR Sale, cheap, very old-established Chemist's Business, in a main thoroughfare, York; good house and shop; on Panel; low rent; immediate possession; must be disposed of speedily; no offer, however low, but will receive consideration; apply first instance to Mr. Wood, 14 Longfield Terrace, Bootham, York, when all particulars and reasons for giving up business will be furnished; all stock, fittings, and exclusive recipes included to purchaser; there is also a full Wine Licence in connection with the business. 18/28, Office of this Paper.

FOR Sale, Drug Business; established 20 years; situated in thickly populated and growing neighbourhood; shop well stocked and fitted; rent £18 per annum; a splendid bargain; £70, part cash and balance by instalments, or good discount for cash. Apply, Hirst, 48 Newland Street West, Lincoln.

MEDICAL Herbalist, Surgical Appliance Dealer, etc., Bolton; established 25 years and very well known; corner premises, excellently fixtured and well stocked; valuable recipes; good living accommodation; household furniture optional. Full particulars from N. Yates, Chartered Accountant, Wood Street, Bolton, or Crompton & Son, Auctioneers, Fold Street, Bolton.

NEGLECTED Business for Disposal; an opportunity presents itself for an energetic man with moderate capital to acquire the above; returns last year £541; good position; low rent; well fitted and stocked; good reason for selling. "Bridge" (22/6), Office of this Paper.

BUSINESSES WANTED.

CHEMIST is prepared to purchase a good-class Dispensing Business, returning £1,000 to £1,200, in a residential suburb of large town preferred, where there is scope for development; £5 bonus will be paid anyone recommending suitable opening (if acted upon). Fullest particulars of business and residence in first instance, in strict confidence, "Pharmacist" (22/38), Office of this Paper.

DRUG-STORE Business or neglected Branch wanted immediately; London Suburb; rent and price must be low, as only small concern required; lowest offer insures prompt purchase; give fullest particulars in first instance, which will be confidentially treated. Replies to "Statim" (22/36), Office of this Paper.

PHARMACIST, desiring to reside in London, would like to purchase Business in good locality having convenient house; small cash payment and balance in instalments; would negotiate with gentleman seeking retirement, as small balance over rent, etc., will satisfy. 24/17, Office of this Paper.

PHARMACIST requires Retail Business, London or Suburbs; net profit about £250; lock-up shop preferred in good business locality. Price and full particulars, in confidence, to "Observer" (24/035), Office of this Paper.

PHARMACIST desires to Purchase sound concern, showing net profit not less than £300 per annum; cash ready. All particulars, in confidence, to "Rhes" (25/6), Office of this Paper.

FOR SALE.

CASH Register.—Small National for Sale; recent model; adds total and prints amounts. Write "C. H.," 59 Ferndale Road, South Tottenham, N.

COMPLETE Set of Shopfittings, just removed from Branch shop, to clear £20. S. Mutz, 341 Cheetham Hill Road, Manchester.

AGENCIES.

EGYPT.—Agency wanted by capable man, established connection amongst Physicians and Pharmacists, to introduce novelties in Medical and Pharmaceutical goods; 16 years' residence in country. J. MacGregor, 3 Rue Cléopatra, Alexandria, Egypt.

AGENT, with good connection among Chemists, Hospitals, and Doctors throughout Australia, is desirous of securing a good Drug Agency and other lines of interest to the trade. "Hydrogen," c/o The C.D.A., 71 Queen Street, London, E.C.

AGENTS wanted in Great Britain and Ireland among Chemists and others to sell a well-known penny winter preparation among Chemists and general shopkeepers. Apply, "A. B.," 54 St. John's Wood Road, London, N.W.

OLD-ESTABLISHED and respected Dutch firm, wishing to extend its trade, is now desirous to Represent prominent English houses in Drugs and Technical and Medical Chemicals and in well-advertised Specialities, in competition with German firms. Apply, 21/4, Office of this Paper.

APPRENTICESHIPS.

APPRENTICESHIP. — Well-educated (Matric.) young lady is desirous of being Apprenticed to good-class Chemist; West End, City, or S.S. preferred. 21/14, Office of this Paper.

APPRENTICESHIP required; S. London preferred. 143/15, Office of this Paper.

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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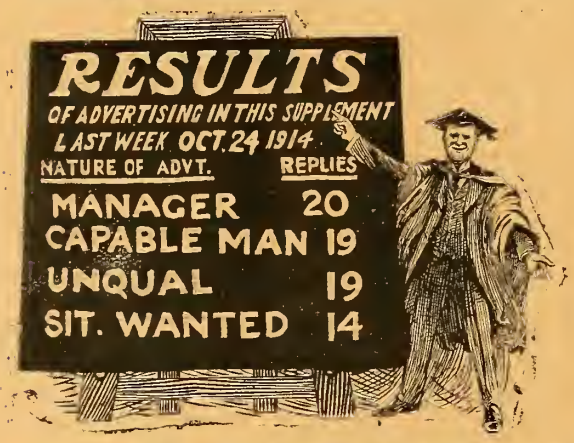
RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BIRMINGHAM.—Smart Junior for suburban district. State age, experience, and salary required, 15/29, Office of this Paper.

BOLTON.—An elderly qualified Assistant, desiring a permanency, for a small Branch, Insurance Dispensing and General Retail. Apply, Waller & Riley, Ltd., Chemists, Bradshawgate, Bolton.

BOURNEMOUTH.—Charles D. Cumber, Dispensing Chemist, Winton, Bournemouth, requires a gentlemanly Junior Assistant. State age, experience, and salary required (indoors), enclose photo (which will be returned), give references, and state when disengaged.

COVENTRY.—Junior Assistant wanted. State age, experience, salary required (outdoors), and when disengaged, Bird, Chemist, Spon Street, Coventry.

EASTBOURNE. — Improver wanted for high-class Dispensing business. State salary (outdoors), with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GLOUCESTER.—Wanted, an Assistant (22-24), outdoors, for all-round General work; one desiring a permanency and not afraid of work; must have good references. Send photo and full particulars to Broad, Chemist, Gloucester.

GODALMING.—Qualified Assistant, Junior; outdoors; duties chiefly Dispensing. Apply, Mather, Pharmacist, Godalming.

HALIFAX.—Required, smart Assistant; must be good Counterman and Window-dresser; one accustomed to Store business and having some knowledge of Photography preferred; outdoors; no duty. Apply, stating age, height, experience, and salary required, to Taylors (Northern), Ltd., 4 Crown Street.

HAMPSHIRE.—Wanted, unqualified Assistant, 21 to 24, for high-class Dispensing business in Hampshire Pine Forest district, near military camp; good-class experience and references required; comfortable indoor berth away from business premises; easy hours. Kindly state experience, age, salary required, with photo, Keeble, Chemist, Liss, Hants.

HAMPSTEAD (near Heath).—Vacancy occurs in good-class business for young, energetic Pharmacist as Assistant, with view to Managership, with progressive salary; married man to occupy house over Pharmacy desired; references must bear strict investigation. Apply, with fullest details of past experience, to 25/10, Office of this Paper.

HEYWOOD.—Junior Assistant wanted for Mixed Retail and Dispensing. State full particulars, salary required (permanent position for good man), to Jacques, Chemist, York Street, Heywood, Manchester.

HIGHGATE, N.—Qualified Manager wanted at once for good-class Dispensing business; indoors; good salary; proprietor abroad with Territorials. Apply, S. B. Bately, Pharmacist, 682 High Road, Tottenham.

LANCASHIRE.—Improver required for Mixed business; splendid chance for obtaining very useful experience. State age, salary required, and when at liberty, 20/390, Office of this Paper.

LIVERPOOL.—Assistant, not over 30, for good-class City business; must be good Dispenser and quick Counterman; no Sunday duty. Full particulars to "M.P.S.," c/o Messrs. Henry Jackson & Sons, Druggists' Sundriesmen, School Lane, Liverpool.

LONDON, N.—Assistant wanted, with a good general knowledge of the business, including Counter, Dispensing, and Window-dressing; also vacancy for a young man as Stockkeeper. Please state age, experience, references, salary required (outdoors), and when disengaged, or apply personally, to Bishop & Vincent, 460 Holloway Road, London, N.

LONDON, N.—Part-time Assistant required; equivalent to three days a week can be conveniently arranged for studying; must be well recommended and a quick and accurate Dispenser; an easy and comfortable berth. T. Byass-Jones, 331 West Green Road, Harringay, N.

LONDON, N.W.—Junior or Improver for good-class business; outdoors. Please apply, stating age, references, salary required, to Berry, Pharmacist, 96 Craven Park Road, Harlesden.

LONDON, S.W.—Wanted, an Assistant, with good knowledge of Dispensing; indoors. Please give full particulars of experience, height, salary required, etc., and if possible enclose photo, "Statim" (25/2), Office of this Paper.

LONDON, W.C.—Wanted, qualified Assistant, at once, accustomed to good-class Retail and Dispensing business; outdoors; personal application preferred. Burden & Co., Pharmacists, 41 Store Street, Bedford Square, W.C.

LONDON, W.C.—Unqualified Assistant; knowledge of French; must be smart Salesman and Dispenser, and of good address and appearance; good salary and commission to suitable man. Write, 25/14, Office of this Paper.

MANCHESTER.—Capable Assistant, single, or married man could have good house over shop, bath, etc.; healthy working-class district; hours 9 to 9, Saturdays 11; Sunday 2 hours' evening Dispensing; Wednesday half-holiday; personal interview necessary. Letters must contain fullest particulars, salary, etc., "B. P.," c/o Heath Bros., Blackfriars, Manchester.

NEAR London.—Junior, unqualified, required for high-class business; opportunity for capable young man gaining excellent experience; outdoors; permanency. State age and salary required, 20/039, Office of this Paper.

N. LONDON.—Manager wanted for good-class Retail and Dispensing business; knowledge of Prescribing and Photographic essential; must be smart and have undeniable references; unqualified assistant employed. Apply, with photo and particulars of age, whether married, and references, to Atkins, 71 East Hill, Wandsworth, S.W.

PONTEFRACT.—Assistant wanted for quick General business, Dispensing and Counter; one used to making B.P. preparations, etc.; wages 30s., rising to 35s. Full particulars to A. Collins, The Rexall Chemist, Pontefract, Yorkshire.

ST. LEONARDS-ON-SEA.—Junior (outdoors) for Dispensing and General Retail business. State age and salary required, Neve & Co., Pharmaceutical Chemists, Silverhill, St. Leonards.

STOCKPORT.—Wanted at once, Junior (outdoors) for Mixed Retail and N.H.I. Dispensing. Particulars as to age, salary, and experience to Hervey Banks, Chemist, 59 Middle Hillgate, Stockport.

WOODHALL SPA.—Qualified Assistant, immediately, for sole charge, Light Retail; succession would be entertained. Photo and full particulars to Maynard, Horncastle.

A JUNIOR Assistant required for a Dispensing business near London; must have passed Prelim. In replying please send photo, and give full particulars as to age, height, experience, and salary required (outdoors), 23/3, Office of this Paper.

A QUALIFIED Assistant, from 22 to 26 years of age, for a Light Retail and Dispensing business in London; indoors, but sleep out, bedroom provided; Junior kept. In reply please state full particulars, 20/25, Office of this Paper.

AN unqualified Assistant (outdoors) required; well up in Dispensing and Counter. State full particulars if by letter, or apply personally, to F. J. Sandberg, 22 Regent's Parade, North Finchley, N.

ASSISTANT (20-25) wanted immediately; good references indispensable. Apply, giving full particulars and stating salary required, to Comer & Phillips, Chemists, Newsagents, and Stationers, Eye, Suffolk.

ASSISTANT wanted, about 24 (outdoors), for a good-class Dispensing and Family business. Apply, stating age, height, experience, and salary required, to Jeffrey & Son, Pharmacists, Battville, Cheltenham.

ASSISTANT for good-class Dispensing Business; indoors; easy hours. Apply, enclosing photo, W. T. Stephenson, Pharmacist, Sutton, Surrey.

ASSISTANT wanted at once; Dispensing experience necessary. State age, experience, and salary required. Apply, A. E. Grainwade, 81 Cornwall Road, W.

AT once, capable Junior; good Counterman, trustworthy Dispenser; Photography. Full particulars and salary desired (outdoors) to Wiggin, Chemist, Ipswich.

CAPABLE Junior wanted for good-class Country Retail; must have had good all-round experience; outdoors; hours moderate. Apply, giving full particulars and enclosing photo if possible, to Benjamin, Chemist, Ross-on-Wye.

DISPENSER.—Part-time man wanted to assist in Dispensing; very easy hours; suit Minor Student. Apply, giving particulars as to age, experience, salary required, etc., to Secretary, Friendly Societies' Medical Institute, Luton, Beds.

ELDERLY qualified Chemist required, mainly for N.H.I. Dispensing; comfortable and permanent berth. State age, salary required, 20/39, Office of this Paper.

JUNIOR Assistant, about 20, for Dispensing business. Give details of experience and salary required, and enclose photo (to be returned), T. O. Barlow, Palmerston Road, Southsea.

JUNIOR Assistant in high-class Retail and Dispensing business; no Panel work; unqualified; must be of gentlemanly appearance and address. Apply, with photo, stating height and wages required (outdoors), with references, McKinnell, Chemist, Northampton.

JUNIOR Assistant (outdoors) for Dispensing Counter; light hours; also a Dispenser for Doctor (time for study). Apply, stating terms, etc., Middleton & Co., Ltd., Chemists, Middlesbrough.

MANAGER (qualified) for Store Chemist in a Midland Manufacturing town; must be a smart, energetic, and reliable Dispenser and used to N.H.I. work; no Sunday duty. Replies must state salary required and where last engaged, 21/3, Office of this Paper.

MR. W. ADAMS, Pharmaceutical Chemist, Shrewsbury, requires an Assistant for the Dispensing Department. Apply, with full particulars, and stating salary required (indoors), and if possible enclose photograph.

PART-TIME; suitable for Students; duty principally evenings; indoors. Apply, 175 Uxbridge Road, London, W.

PART-TIME.—Assistant wanted for evening work. Apply by letter, giving full particulars of experience, qualification, time available, and salary required, to Harcombe Cuff, Ltd., 25 Friern Barnet Road, New Southgate, N.

QUALIFIED Assistant required at once; outdoors; not under 25; must be a good Dispenser. Apply, stating age, height, salary required, and photo, Charrington, Chemist, Lichfield, Staffs.

QUALIFIED man to take charge of neglected business for widow; 30s. weekly to commence and good, comfortable home to a gentleman wanting an easy berth. "Seaside" (21/28), Office of this Paper.

QUALIFIED Assistant required, of good appearance and address; preference given to young and energetic man; hours 8.30 to 7; Saturday 1 o'clock; no Sunday duty. Apply, with full particulars, to Burgons, Ltd., Ackers Street, Manchester.

QUALIFIED Assistant required in medium-class business; easy berth; also elderly qualified man, mainly to supervise during absence of principal; permanency; hours to suit applicant. Give full particulars as to age, salary required, etc., in confidence, to "Comfortable" (22/40), Office of this Paper.

QUALIFIED Manager, with first-class references and experience, in Store business, to take place of active partner in a new business started three weeks ago and already doing £9 a week and increasing; rent only £40 per annum, including all rates and taxes; must be willing to invest £100. Apply, "Alpha" (141/22), Office of this Paper.

QUALIFIED Assistant; good Salesman and Dispenser; sleep indoors. Apply, R. S. Starkie, 126 Strand, W.C.

RELIEF, one-day weekly, preferably Tuesday or Wednesday, 10 to 4; work light, Dispensing and Counter. State terms (dinner and tea in), age, whether qualified, two recent references, "South Hampstead" (22/29), Office of this Paper.

THE NOTTINGHAM INSURANCE COMMITTEE require the services of a Clerk capable of checking Chemists' Accounts, Analysing Prescriptions, etc.; lady with Apothecaries' Hall certificate preferred. Apply, stating experience, etc., to the Clerk, 12 Victoria Street, Nottingham.

TWENTY-ONE miles from Town.—Gentlemanly Assistant, not necessarily qualified; must be a quick and accurate Dispenser; easy hours, 8.30 to 7, Saturday 9.30; alternate evening duty; high-class business. State salary required and all particulars in first letter, S. Browning Moss, West Byfleet, Surrey.

UNQUALIFIED (Birmingham Suburb).—Wanted, a reliable Assistant, at once, age about 30; permanency; married preferred; good Prescriber; obliging; middle-class trade; good references. Full particulars and wages required to 19/32, Office of this Paper.

UNQUALIFIED Assistant wanted in market town; Mixed business, Photo and part Wholesale; steady and reliable man, with part knowledge of travelling, will find this a permanent situation; short hours and half-holiday weekly. State salary and give full particulars to Hogg, Chemist, Ulverston, Lancs.

UNQUALIFIED Junior, age 19-20, indoors, for Light Retail and Dispensing business; time allowed for study. S. W. Dawson, 56 Knight's Hill, West Norwood, S.E.

WANTED, at once, qualified Assistant for good Dispensing business; sleep on premises; must be competent and reliable. Full particulars in application, please, Thomas, Saxby & Milne, Ltd., Cheltenham.

WANTED, qualified Manager; small Retail Drug and Dispensing business; hours open 52 per week. Address, giving full particulars and salary required, Box 103, G.P.O., Bradford.

YOU are wanted to Manage my London Drug Store; requirements—an unregistered, reliable man, honest, sober, and industrious; recent satisfactory reference essential; wages during war 28s.-30s.; increment when trade permits; no Dentistry, but if own tools could add and share profits; rooms on premises vacancy waiting; duties congenial. Prompt reply to 21/40, Office of this Paper.

WANTED, at once, a qualified Assistant; single; live out, or indoors if preferred; easy hours; close Thursdays 1 o'clock; Leicestershire. State age, height, salary required, 17/32, Office of this Paper.

WANTED, a qualified Assistant; outdoors; capable of taking charge. Apply to Arnold & Sons, King's Road, Southsea.

WANTED, at once, to replace recruit, Junior Assistant for good-class Dispensing and Family trade. Please send fullest particulars with age, height, salary required, and photo if possible, to Corfe & Son, Chemists, Maidstone.

WANTED, qualified Assistant; 24; no N.H.I. Dispensing or Sunday duty; easy hours, 9 to 7 p.m., Thursday 1 p.m.; state salary required (permanency) and references; outdoors. H. A. King, Ltd., 38 Exchange Street, Norwich.

WANTED, unqualified Assistant (outdoors) for Counter and N.H.I. Dispensing; medium-class business; moderate hours; good references essential. Apply, with full particulars, etc., stating salary and when at liberty, to W. H. Walker, Chemist, Willenhall, Staffs.

WANTED at once, gentlemanly Junior or Improver for high-class Dispensing and Retail; comfortable indoor berth. State salary to Wynne Tighe, Chemist, 3/4 High Street, Exeter.

WANTED, immediately, smart Junior; West-End experience. Apply Manager, Pharmacy Waldorf, Aldwych, W.C.

WANTED, immediately, Junior for Manchester district. Apply, giving experience, salary required, etc., and enclosing photo if possible, to "Statim," c/o Messrs. Woolley, Son & Co., Ltd., Victoria Bridge, Manchester.

WANTED, Junior Assistant; old-established business. General and Dispensing; no Sunday duty. State age, salary, and references. P. Jeyes & Co., Ltd., Chemists, Northampton.

WANTED, Junior Assistant for Light Retail; no Sunday duty. State age, experience, salary required, etc., to J. A. Moore, Chemist, Grimsby.

WANTED, qualified Manager for Branch; married preferred; Birmingham Suburb; good house; state salary required, photo (to be returned). Apply, 18/40, Office of this Paper.

WANTED, an Assistant; good all-round man; capable Extractor; middle-aged man not objected to if active. Give age, salary required, and references, "S.," 29 Miskin Road, Dartford.

WANTED, at once, an Assistant, age about 25, accustomed to good-class Dispensing business. State age and full particulars in first letter to Mallinson, Chemist, Withington, Manchester.

WANTED, immediately, reliable unqualified Assistant; outdoors; used to Dispensing and good-class Cash trade; London experience not essential. Reply, with full particulars as to age, height, salary required, and references, to Cave, Austin & Co., Ltd., 164 Rushey Green, Catford, S.E.

YOUNG unqualified Assistant wanted, end of November. Photo and all particulars to Herbert Smith, Chemist, Workington.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

COMPRESSED Tablets.—Experienced Assistant required at once. State experience and wages required to "A. M. C.," c/o Burgoyne, Burbidges & Co., East Ham, E.

COUNTER hands, aged about 20, wanted for the Wet or Dry Floor of a London Wholesale house. State previous experience, age, and wages expected to 25/5, Office of this Paper.

COUNTERMAN (Improver), some experience in Wets and Drys, wanted by Manufacturing Chemists; age 17 to 21. Write, stating experience, wages required, references, etc., to 21/25, Office of this Paper.

INVOICE Clerk.—Wanted, by London Wholesale Druggists, an experienced man to take charge of Invoice Department. Apply, stating age, experience, and salary required, to "Beta" (141/50), Office of this Paper.

INVOICE Clerk wanted, with some knowledge of Export trade preferred. Apply, giving age, experience, and salary, to 24/34, Office of this Paper.

PACKER wanted; also Junior Assistant for Despatch Department. Baiss Bros. & Stevenson, Ltd., 175 Grange Road, Bermondsey, S.E.

VACANCY in an office (Wholesale) for young man with knowledge of Patents and Sundries. Apply by letter, stating age, previous experience, and salary required, to 19/6, Office of this Paper.

WANTED, young man, with some slight knowledge of Chemistry (not necessarily qualified) to assist in Manufacturing Department. Apply, stating age and full particulars of previous experience, to 21/1, Office of this Paper.

WET Counter hand, experienced, required by London Wholesale Druggists; also youth for Laboratory, used to Powders, etc. State age, experience, and wage required to "J. W." (143/3), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

CHEMIST, fully qualified, wanted at once for Straits Settlements; age 28 to 35; West-End experience preferred; four years' agreement; passage paid; salary £400 per year and commission. Write full particulars to Durant Radford & Co., Ltd., Billiter Buildings, London, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ABLE Chemist; 25; Manager or Assistant; abstainer; all-round experience; Dispensing, Counter, Photography and Optics. "Celeriter," c/o Clarke, M.P.S., 12 Richmond Road, Bayswater.

AN elderly qualified Chemist is open to an engagement; short hours; moderate salary; South London for choice. J. Pye, 33 Louisville Road, Balham.

AN unqualified (25), married, disengaged, wants permanency; no Dispensing; salary 35s. J. J. Smith, 1 Vaughan Road, Loughborough, London, S.E.

AN engagement desired anywhere in United Kingdom; qualified; 26; thoroughly reliable; excellent testimonials. 143/13, Office of this Paper.

AS Branch Manager or Locum; qualified; married; good experience. "Statim," 144 Empress Avenue, Ilford, Essex.

ASSISTANT or Manager; 40; Optics, Photography. "Pharmacist," 5 Fielding Road, West Kensington.

ASSISTANT, Manager, or Locum; qualified; disengaged. "Chemicus," 116 Galloway Road, Shepherd's Bush.

ASSISTANT; 34; single; best experience; Dispensing and Counter. Nicholson, 11 Hadham Road, Bishop's Stortford, Herts.

ASSISTANT; 30; experienced, reliable; Counter, Dispensing. "Energetic," 54 Kinross Avenue, Plymouth.

ASSISTANT; 18; Dispensing, Counter, Photographic; London preferred. R. Dormor, Lambseth Street, Eye, Suffolk.

ASSISTANT, 23, unqualified, 5 ft. 8½ in., desires berth; Norwich preferred; disengaged November 9. Pinching, 11 Royal Parade, Eastbourne.

ASSISTANT; unqualified; smart, resourcefnl Salesman; attractive Window-dresser; Photographics and Dispensing. 143/5, Office of this Paper.

BELGIAN Pharmacist from Antwerp desires situation at once in an English Pharmacy or Wholesale house in London. References and all particulars, "C. B.," c/o May, Roberts & Co., Clerkenwell Road, E.C.

BELGIAN Pharmacist, for many years in business in Bruges, desires situation at once in English Pharmacy; speaks English, French, and Flemish. Address, A. Pecue, 142 Bethune Road, Stamford Hill, N.

BELGIAN Pharmacist (38) from Termonde would like employment in Pharmacy or Wholesale house as soon as possible. Address, Paul Roman, Shernbourne, Grove Park, Wanstead, N.E.

BOOKKEEPER, experienced, keeps accounts for Chemists; terms moderate. 24/37, Office of this Paper.

BRANCH Manager; qualified; 36; 5 ft. 10 in.; thoroughly experienced; Photography; married. 23/12, Office of this Paper.

BRANCH Manager, Locum, or temporary Assistant; qualified; middle-aged; disengaged. Write or wire, 143/2, Office of this Paper.

BRIGHTON District.—Part-time, Relief; Dental, Optical, Photo. Pharmacy experience. "Decem" (22/20), Office of this Paper.

COMPETENT, trustworthy Assistant; Locum or permanency; reliable references. Forster, 5 Coleridge Road, Finsbury Park, N.

DISENGAGED; unqualified; 27; married; excellent references. "D.," 171 Colonial Road, Saltley, Birmingham.

DISENGAGED; experienced; Assistant or Branch. "Pharmacist," 63 Manor Park Road, Harlesden, N.W.

DISENGAGED; Senior, Manager; Part-time, Locum; sound experience. "Aspirin," 64 High Street North, East Ham.

DISPENSER, experienced, seeks re-engagement, Doctor or Chemist; Birmingham neighbourhood preferred, not essential; excellent references; moderate salary. "Extractor," 323 Coventry Road, Birmingham.

DISPENSER or Assistant Manager; first-class experience. "Dispenser," 58 Malvern Road, West Kilburn.

DISPENSER or Assistant; unqualified; 27; tall; high-class experience; first-rate references; London preferred; disengaged. H. K. Stapleton, 6 Lincoln Road, Ponder's End, N.

DISPENSING; experienced; three evenings weekly; age 22. Roger, 22 Edgeley Road, Clapham

EVENING work required in South-West London by young qualified Pharmacist for three or four nights weekly. Hopkins, 4 Ferndale Road, Clapham.

EVENINGS only, for Stock. Apply, "R. S.," 43 Tavistock Crescent, Westbourne Park.

EVENINGS from about 6.30. "Pharmacist," 26 Grasmere Road, Muswell Hill.

EXPERIENCED Lady Dispenser requires position near Liverpool. 25 Cecil Road, Seaforth, Liverpool.

EXPERIENCED Manager; 36; permanency, temporary; disengaged; unregistered. "Chemicus," 12 Pentonville, Newport, Mon.

EXPERIENCED West-End Dispensing, Counter, Photographic; well recommended; 26; married; unqualified; disengaged October 31. "F. D.," 66 Abingdon Road, High Street, Kensington, W.

IMMEDIATELY. — Whole or part time; thoroughly capable worker; quick Counterman, Dispenser, and Window-dresser; highest references; unqualified. "E. W.," 538 Holloway Road, N.

IMPROVER; South Wales or West of England; indoors preferred; age 16½ years; about 1½ year's experience. "Statim," Thornton, Chemist, Blaenavon, Mon.

JUNIOR (21) for good-class business; outdoors; highest reference. "F. A.," c/o Mr. Prince, Pharmaceutical Chemist, Longton, Staffs.

JUNIOR (18), three years' experience, seeks situation; Liverpool or North Wales district preferred. 19/20, Office of this Paper.

JUNIOR (21) requires situation; Photographic, Dispensing, and Counter experience. "C. W.," 3 Clayton Street, Skelmersdale.

JUNIOR Lady Dispenser; Hospital or Doctor; Hall qualification; London. 22/22, Office of this Paper.

LADY Pharmacist (Major), experienced, seeks post, Doctor's Surgery or Institution. 17/28, Office of this Paper.

LADY (Hall qualification) requires post with Institution or Doctor in London or suburbs. "A.," 128 Fleet Street, E.C.

LADY Dispenser (Hall) requires post in or near London with Doctor or Institution; thoroughly experienced; highest references. 22/5, Office of this Paper.

LADY; qualified; good Dispensing experience; London preferred; knowledge of Retail and Photography. 20/30, Office of this Paper.

LADY Dispenser, unqualified, desires post with Doctor or Chemist; live in; small salary; large Practice experience. "Manchester" (23/4), Office of this Paper.

LADY, unqualified; 7 years' experience in Counter, Dispensing, and Bookkeeping. 23/13, Office of this Paper.

LADY Dispenser, Bookkeeper; qualified; disengaged; good references. "W. R." (23/14), Office of this Paper.

LOCUM; 26; 5 ft. 10 in.; unqualified; 11 years' varied experience; abstainer; disengaged. "H.," 63 Monk Road, Bishopston, Bristol.

LOCUM; qualified; 49; first-class experience and testimonials; disengaged. "Dewey," 3 Helena Avenue, Margate.

LOCUM; disengaged; good experience; satisfactory references. "Qualified," 38 West Brampton, Newcastle, Staffs.

LOCUM; qualified; Chemist or Institution work; all-round experience; abstainer; disengaged. "Holborn" (25/8), Office of this Paper.

LONDON, S.W.—Evenings; Dispenser; qualified; four nights weekly after 7 o'clock. 20/18, Office of this Paper.

MANAGER; qualified; middle-age; good all-round experience. "Pharmacist," 126 Victoria Street, Bristol.

MANAGER or Senior; qualified; young; abstainer; good experience; disengaged November. Apply, 19/30, Office of this Paper.

MANAGER or Locum; 42; qualified; London; first-class experience. "S.," 28 Silver Crescent, Gunnersbury, W.

MANAGER; qualified; smart Dispenser; good all-round experience. "Pharmacist," c/o Mr. Burstow, Horley, Surrey.

MANAGER, qualified, 36, requires position in good-class Chemist's in Scotland; London (West-End) experience. Apply, 21/23, Office of this Paper.

MANAGER, Assistant, or view succession easy terms; 36; married; unqualified; Extractor, Prescriber, Photography; holding N.H.I. qualification and excellent references; shortly disengaged. "Energetic," 629 Oldham Road, Newton Heath, Manchester.

MANAGER; qualified; experienced; quick Salesman; N.H.I.; abstainer; 35; permanency; references. 22/32, Office of this Paper.

MANAGER; qualified; varied experience; Photography; good references. "Statim" (25/3), Office of this Paper.

MANAGER; qualified; special knowledge Prescribing, Photography, and development of Specialities; experienced ad. writer; highest references; practically abstainer; disengaged this week. 24/40, Office of this Paper.

MANAGER; qualified; outdoors; London or Suburbs; first-class experience. 24/35, Office of this Paper.

MANAGER, qualified, abstainer, great experience, seeks permanent responsible post; disengaged. Kindly address, 25/15, Office of this Paper.

MIDDLE-AGED, qualified man, single; any useful capacity; terms to suit. "Tincture" (21/31), Office of this Paper.

MIDDLE-AGED man; Stockkeeper, Dispenser, Counter; reliable; part-time; small wages. "Alpha" (24/21), Office of this Paper.

MINOR qualification; Hall experience; moderate terms; London or elsewhere; single. "Handy" (21/031), Office of this Paper.

NEGLECTED Branch to work up; Retail, Dispensing, Prescribing, Manufacture own Proprietaries; private connection. "Mutual," 48 Handforth Road, Clapham, S.W.

PART-TIME; capable, unqualified Assistant; Dispensing, Counter; good experience; 27; disengaged. 19/38, Office of this Paper.

Alleged Slander by Rexall.

An action has been raised in the Court of Session at Edinburgh by Andrew Reginald Andrew, 4 Rookfield Avenue, Muswell Hill, London, against the United Drug Co., 114 Old Hall Street, Liverpool, for payment of 2,000*l.* in respect of alleged slander. The plaintiff was until lately, he says, the manager for Scotland of the United Drug Co., of Massachusetts, an American company with a capital of $5,000,000, who carry on business in Liverpool, and jurisdiction had been constituted against them by arrestment. Prior to entering the defendants' service in 1912, the plaintiff states that for a period of about fifteen years he represented Messrs. Colgate & Co., of New York, for the sale of their toilet-articles and perfumery, and had built up a large and valuable personal connection in the United Kingdom, and was well and favourably known to chemists, druggists, and hairdressers, especially in Scotland. In 1912 he was engaged by the defendants at a salary of 10*l.* per week, together with first-class expenses, the contract of engagement not to be terminable except under six months' notice. The appointment of the plaintiff as manager for Scotland was duly intimated in The Chemist and Druggist. After joining the defendants' service many chemists and druggists in Scotland, who were in the main personal friends of the plaintiff, became shareholders of the defendants' company. These Scottish shareholders formed themselves into an association or club, and called it the "Scottish Rexall Club." The plaintiff said his work appeared to give satisfaction, and on more than one occasion the defendants expressed their satisfaction to him. In December 1913 the defendants' manager advised the plaintiff that he desired him to take up for the company the supervision of a department similar to that which he had previously held for Messrs. Colgate & Co. The plaintiff was willing to entertain the suggestion until it appeared that he was to have his position reduced to that of a mere traveller liable to dismissal on a week's notice. He then declined the position, and thereafter received an intimation to the effect that his original agreement was to be discontinued six months from the date thereof. While the plaintiff was unwell, which he was for some time after this notice, travellers and representatives of the defendants' company were, the plaintiff states, travelling round the districts where his connection extended, representing, it is believed, on the instructions or with the knowledge and consent of the defendants, that the plaintiff had received a better appointment under the defendants, and that they were now to take up his work in Scotland. As various contradictory rumours were going about as to the plaintiff's position, a meeting of the Scottish Rexall Club was held, and his position was discussed. The defendants' manager, having returned from America, in January 1913 wrote to the plaintiff charging him with creating dissatisfaction among the Scottish shareholders and with disloyalty to the defendants, and suspending him till the termination of his contract. The manager further circularised the Scottish shareholders giving his alleged reasons for suspending the plaintiff. The plaintiff maintains that the statements in the circular are false, calumnious, and malicious, and contained serious imputations on his character and reputation. Other statements of damage are set forth.

For the defendants, it is pleaded that the letter and circular complained of, being privileged and written and issued in *bona fide* and with reason and probable cause and without malice, and, separately, not inferring any slander on the plaintiff, judgment should be pronounced in their favour. The defendants stated that the notice in The Chemist and Druggist was based upon information supplied by the plaintiff direct to the publishers of the *C. & D.*, and that the defendants' manager, when asked by the publishers to confirm that information, omitted by inadvertence to correct the reference to the plaintiff's appointment as that of manager. They explained that the capacity in which the plaintiff was in fact engaged and employed was that of a travelling salesman for Great Britain, and that he never performed any managerial duties. The offer of an appointment as special salesman for toilet-goods for the United Kingdom was accepted by the plaintiff, but was afterwards declined. He was informed that there was a prospect of the toilet-goods business being made into a special department, of which in natural course he would, if he gave satisfaction, become the head. The plaintiff had definitely accepted the post, and they appointed a new traveller for Scotland and sent him to call upon their customers. After his successor had taken up duty in Scotland, the plaintiff wrote declining the position of toilet-goods salesman. The notice of six months' termination of the plaintiff's contract, it is explained, was merely a step in conformity with the general policy of the company to have every employé of the company, including their various managers, engaged upon the same terms as to notice—viz., one week's notice. The defendants state that the terms of the letter and circular contained an absolutely fair, unbiassed, and true statement of the facts and incidents to which they referred, and they were issued in the *bona fide* exercise by the defendants' manager of his duty to them and to the shareholders to whom the letter and circular were issued. The improper actings of the plaintiff had created a feeling of hostility or friction between the defendants and their shareholders, particularly those who were partisans of the plaintiff, and it was important and right that the Scottish shareholders should be informed of the true position of matters as between the defendants and the plaintiff.

Issues have been ordered by Lord Ormidale for the trial of the action by jury.

Candelilla Wax.—A ten years' contract has just been granted by the Mexican Government for the exploitation of the candelilla-plant over an area of about 247,000 acres situated in the States of Durango, Zacatecas, and Coahuila.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

Lymn-Bowater Chemical Co., Ltd. (P.C.).—Capital 2,000*l.* The subscribers are G. T. Ashworth and C. H. R. Crosby. R.O., Sanctuary House, 33 Tothill Street, London, S.W.

Western Drug-stores, Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists and druggists. The subscribers are J. McMaster and N. Mill. R.O., 156 New City Road, Glasgow.

James A. Foster, Ltd. (P.C.).—Capital 200*l.*, in 1*l.* shares. Objects: To take over the assets and the business of a chemist and druggist carried on by F. C. H. Foster at 9 Wheeler Street, Birmingham, as "James A. Foster." F. C. H. Foster is managing director.

A. Middleton's (Normanton), Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of wholesale druggists, manufacturing, veterinary, and agricultural chemists, etc. The first directors are E. B. Fillingham and Mrs. M. Fillingham. R.O., 21 High Street, Normanton.

T. Selby & Son, Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business of a surgical-instrument maker carried on by R. F. Selby at Wood Green. The first directors are R. F. Selby (managing director) and J. Mortimer. R.O., Acacia House, Douglas Road, Wood Green, London, N.

British and French Chemical Manufacturing Co., Ltd. (P.C.).—Capital 4,000*l.*, in 1*l.* shares. Objects: To carry on the business of chemical, acid, and alkali manufacturers, dye merchants and manufacturers, dealers in size, soap, and glue, etc. The subscribers are J. Gibson, J. E. Hilditch, and R. Hilditch, 16 John Dalton Street, Manchester, solicitor.

Wilson & Holmes (1914), Ltd. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To take over the business of aërated and mineral water and ice manufacturers carried on by Wilson & Holmes, Ltd., at Workington, Cumberland. Purchase consideration, 2,400*l.* (550*l.* cash, 400*l.* shares, and 1,450*l.* debentures). A further 600*l.* (300*l.* shares and 300*l.* cash) is payable to Commercial Advisers, Ltd., as promoters. Minimum cash subscription, 100*l.* The first directors are J. D. Wilson and H. Townsend.

Reuter's "4711" Eau de Cologne Co., Ltd. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in essences and essential oils and natural and synthetic perfumes, chemists, druggists, drysalters, oil and colour men, etc., and to enter into an agreement with R. J. Reuter. The subscribers are H. E. Cooper, E. W. Derrick, and R. J. Reuter, 6 Denman Street, W., wholesale dealer in druggists' sundries, the last-named being permanent governing director, subject to holding in the aggregate more than 25 per cent. of the shares.

Company News.

Sanitas Co., Ltd.—At a directors' meeting on October 23 the payment of the usual interim dividend at the rate of 5 per cent. in respect of the year ending March 31 next, payable on December 1, was authorised.

George Town Dispensary, Ltd.—The annual meeting was held at Singapore on September 18, when Dr. T. C. Aycoom presided. The annual report for the year ended February 28, which was adopted, states that the net profit for the year is $13,343, and this amount, with the balance brought forward from last year ($593.22) makes a total of $13,936. Though the business has increased considerably and the net profit almost doubles that of the previous year, the directors, in view of the present state of affairs, do not see their way to recommend the payment of a dividend, but propose to carry forward the whole amount of profit to next year's account.

West Bromwich.—A meeting of the West Bromwich Pharmaceutical Association was held at the Y.M.C.A. on October 27. There was a good attendance. Mr. Withers presided in the absence through indisposition of Mr. Kemsey-Bourne (President). Mr. James Lock read a paper on "*Ido, its Nature and Relation to Pharmacy.* As an example of the language, he translated the article dealing with "Amylum" in Squire's "Companion." A vote of thanks was accorded to Mr. Lock for the paper.

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," October 14, 1914.)

"ACCELERENE"; for chemicals (1). By Hooley Hill Rubber and Chemical Co., Stamford Road, Hooley Hill, Manchester. 363,233.

"RESRU" in facsimile writing; for a rheumatism-medicine (3). By the Heersley Drug Co., 32 Millgate, Wigan. 362,465.

"SINGSO"; for a medicine (3). By Constance M. Coker, 19 Ferry Road, Teddington. 362,876.

"LUBRONE"; for medicinal chemicals (3). By Allen & Hanburys, Ltd., 37 Lombard Street, E.C. 363,357.

"REGEPYRIN," for medicinal chemicals (3); "REGEFRICE," for perfumery, etc. (48). By Regesan, Ltd., 7A Laurence Pountney Hill, E.C. 363,462 464.

"YEOVIM"; for animal-foods (42). By T. B. Lock & Son, Morley House, West Hendford, Yeovil, Somerset. 362,621

"THIMP"; for a beverage preparation (42). By J. N. Nichols & Co., 203A Chapel Street, Salford, Manchester. 363,317.

"BLANKIT"; for food-substances (42). By A. Boake, Roberts & Co., Ltd., 100 Carpenter's Road, Stratford, E. 363,516.

Seal device, with word "ASDRÚBAL," etc. ("Asdrúbal" and seal disclaimed); for a natural mineral water (44). By S. Cervantes, 19 and 21 Calle Mayor, Cartagena, Spain. 361,655.

"ANTIPOLLI"; for a mineral water (44). By Niblett & Co., Union Street, Stroud. 363,161.

"OPUS," for goods (47); "KRONO," for goods (48). By Wilkie & Soames, Ltd., Thames Soap and Candle Works, East Greenwich, S.E. 363,292/320.

"TALLROL"; for oils and greases (47). By A. C. Renton, 10 South Street, Newcastle-on-Tyne. 363,416.

"DIANA," with picture of same; for perfumed soap (48). By C. E. Maloney & Co., Station Road, Gillingham, Dorset. 355,126.

Circular device, with words "THE (eye) DEAL (hare) RESTORER" ("Ideal" disclaimed); for hair-preparations (48). By the Ideal Hair-restorer Co., 95 Bradshawgate, Bolton. 360,376.

Label device, with words "RED, WHITE, AND BLUE," etc.; for British eau de Cologne (48). By C. W. Johnson & Co., 38 Great Ormond Street, London, W.C. 363,296.

(From the "Trade-marks Journal," October 21, 1914.)

"AMIDOL-JOHNSONS," with device of scales and monogram "J. S." ("Amidol" disclaimed); for photographic developers (1). By Johnson & Sons, Manufacturing Chemists, Ltd., 23 Cross Street, Finsbury, E.C. 363,479.

"FINGRO"; for fertilisers (2). By Finlay & Co., 12 High Street, Belfast. 362,813.

Circle enclosing cross device with letters "L. H. C." over word "DISINFECTANTS" ("L. H. C." disclaimed); for disinfectants, etc. (2). By the London Hygienic Chemical Co., Ltd., 163 Blackfriar's Road, S.E. 363,100.

"IMP"; for chemicals (2). By T. Keating, 50-52 Union Street, London, S.E. 363,467.

"FOXOL"; for chemicals (2) and for medicinal chemicals (3). By Boot's Pure Drug Co., Ltd., Nottingham. 363,560/280.

"GOOD LUCK" and picture of horseshoe; for soap (2, 47, and 48). By J. Crosfield & Sons, Ltd., Warrington. 363,611/2/3.

"ADABAK"; for medicines (3). By H. Davidson, 12 Smallbrook Street, Birmingham. 362,934.

"CLOTTIN"; for medicines (3). By Society of Chemical Industry in Basle, Basle, Switzerland. 363,135.

"ANAPHOS"; for medicinal chemicals (3) and for food-substances (42). By the British Milk Products Co., Ltd., 69 Mark Lane, E.C. 363,457/8.

"RINDA"; for an ointment (5). By Morris Brothers, 54 Pike Road, Bolton. 363,541.

WILLS PROVEN.

MR. ELI MORTON KNIGHT, 218 Harborne Road, Edgbaston, grocer and druggist, who died on June 4, aged ninety-two, left estate valued at 30,926*l.* 11*s.* 5*d.* gross, with net personalty 22,526*l.* 9*s.* 2*d.*

MR. SEPTIMUS CATCHPOLE, 28 Mason's Hill, Bromley, Kent, of Messrs. E. Catchpole & Sons, Rotherhithe, S.E., tar and resin distillers, who died on August 13, left estate valued at 21,451*l.* 5*s.* 10*d.* gross, with net personalty 20,935*l.* 16*s.* 6*d.*

MR. EBENEZER SCOTT, chemist and druggist, Nottingham, who died on September 4 at 66 Edgedale Road, Sheffield, Yorks, left estate valued at 241*l.* 16*s.* 6*d.* gross, with net personalty 95*l.* 12*s.* 7*d.* Probate of his will has been granted to his sister, Mrs. John Gibson, 66 Edgedale Road, Sheffield.

MR. ARTHUR KIRKLAND, Ph.C., 392 Clapham Road, London, S.W., who died on board the s.s. *Galway Castle*, bound for South Africa, on August 9, left estate valued at 437*l.* 1*s.* 5*d.* Letters of administration have been granted to his widow, Mrs. Annie Agnes Kirkland, of 100 Park Hill, Clapham Park.

MR. LEONARD AUGUSTUS WILLIAMS, chemist and druggist, the Central Pharmacy, Porthcawl, Glamorgan, who died on July 14, left estate of the gross value of 2,191*l.* 4*s.* 10*d.*, of which the net personalty has been sworn at 1,601*l.* 7*s.* 4*d.* The testator left his gold watch and chain to his brother James; his books and his share in the Pontypridd Building Society to his brother Fred; the balance of his household effects to his wife absolutely, and all other his property to his wife if she should remain his widow, and, if not, then to her for life, with remainder to his next-of-kin.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. F. T. DODGE (of the London branch of Dodge & Olcott Co.) and family sailed for New York this week per *Lapland* on a business trip.

MR. FRED JACKS, chemist and druggist, High Street, Stone (Staffs), has been appointed Treasurer of the St. Michael's Lodge of Freemasons, of which he is a Past Master.

MR. DAVID BROWN, F.I.C., F.C.S., Willowbrae House, Edinburgh, of Messrs. J. F. Macfarlan & Co., has been elected a Justice of the Peace for the County of the City of Edinburgh.

DR. F. B. POWER, F.C.S., is retiring from the directorship of the Wellcome Chemical Research Laboratories, 6 King Street, Snow Hill, London, E.C., in order that towards the end of the year he may return to his home in New York State and be beside the members of his family.

AMONG those who have been appointed to exercise, in their respective districts, the powers conferred by the Lunacy Acts, 1890, are Mr. R. L. Gifford, Ph.C., Mr. T. Critchley, chemist and druggist, and Mr. W. Woolley, manufacturing chemist, Blackburn; Mr. G. Claridge Druce, M.A., Ph.C., Oxford; and Mr. S. R. Anness, Ph.C., Ipswich.

MR. JOHN BIRKETT, PH.C., Mayor-elect of Morecambe, is the son of the late Mr. John Birkett, who was one of the pioneers of Morecambe. The Mayor-elect first entered the Council in the days of the Urban District Council. When the town was incorporated he did not seek re-election, but a year later he was again returned to the Council, and since that time he has never had to fight for his seat. As Chairman of the Advertising Committee, Councillor Birkett has done good work, and he has identified himself with the interests of the town in many other ways. Regarding his pharmaceutical career, Councillor Birkett studied at "The Square," and became a pharmaceutical chemist in 1887, since which time he has been manager, and finally proprietor of the business at 16 The Crescent, Morecambe, established by his father fifty years ago.

MR. JOHN BIRKETT.

Mr. Robert Anderson, who has been elected President of the Sunderland Pharmaceutical Association, is in business at 157 Chester Road. He is a native of Aberdeenshire, and served his apprenticeship with Mr. R. Henderson at Oldmeldrum, afterwards going to Messrs. Grattan & Co., Belfast. He studied for the Minor at "Duncan's," Edinburgh, passing in January 1893. Mr. Anderson gained further experience with Mr. Allan, Inverness, and the late Mr. Parker, Scarborough, then going to Newcastle-on-Tyne to Messrs. Mawson, Swan & Weddell, being with them about eight years. About twelve years ago he purchased the business of Mr. Hedley (now of Rushden), and about three years ago transferred it to more commodious premises, handsomely fitted up, on the opposite side of the road.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

Treatment of Wounded on the Field.—M. Georges Paulin, a pupil of Pasteur, has invented a liquid which, a quarter of an hour after injection, produces an insensibility to pain which, it is stated, may last as long as five or six hours. The value of such a preparation to surgeons on the battlefield can hardly be exaggerated. Several French army surgeons (Dr. Lefur, Dr. Estradère, etc.) have used the new preparation with success. M. Paulin is not placing his liquid on the market, but offering to supply it gratis to the French Government as required.

The Supply of Serum.—The French Minister of War issued a decree on October 6 stating that no anti-tetanic or anti-dysenteric serum is henceforth to be delivered by the Paris Pasteur Institute. All demands for supplies were to be addressed to the Ministry of War at Bordeaux. Some protest has been provoked by this drastic measure, but it is highly probable that steps will be taken to authorise direct supply, at least in urgent cases. The Pasteur Institute has already delivered nearly 180,000 doses, and although the Institute can only deliver from 2,000 to 3,000 doses per diem, it is hoped that this may soon be increased to 4,000. Tetanus attacks are diminishing in number, the army having got beyond the region where it commonly prevails.

Alien Enemies' Property.—M. Briand, Minister of Justice, has issued a circular to the local Procureurs-Généraux instructing them to seize and sequestrate all property (real and personal) held by German, Austrian, and Hungarian firms or persons throughout France. M. Malvy, Minister of the Interior, has instructed the Prefects of the various Departments to aid these officials in their task—delicate in these days of shareholders of limited companies, sleeping partners, and other part-owners of property. He points out that local Chambers of Commerce and trade Associations can often give useful information, and that all should be done as completely and rapidly as possible. It is proposed to except Alsace-Lorrainers, Czechs, and Poles from this general sequestration. "The total property thus seized," remarks the "Matin," "will form a guarantee for the payment of damages for illegal destruction caused by the enemy's troops, etc."—in plain English, acts of pillage and rapine committed on French property.

Drug-supply.—A Pharmaceutical Office is to be established in France "for the duration of the war and as a temporary measure," to be called the "Office des Produits Chimiques et Pharmaceutiques." The object of its establishment is to keep in touch with existing works and factories, watch the output and delivery of goods, and endeavour to increase natural production as far as possible. Steps will be taken to find out actual stocks in hand, to study exactly the possible output, and the means of increasing it sufficiently to cope with the needs (1) of the army; (2) of the civil population; and (3), as far as possible, of the armies and civil population of France's Allies. The home manufacture of products hitherto exclusively manufactured abroad will also be studied by this new organisation, which will be attached to the Ministry of Commerce. This document is signed by M. Viviani, Prime Minister; M. Thomson, Minister of Commerce; M. Millerand, War Minister; and M. Malvy, Minister of the Interior. Professor Behal, of the Paris School of Pharmacy and member of the Academy of Medicine, has been appointed Director.

Fluorine exists, according to A. Gautier and P. Clausmann, in all mineral waters in amount varying from less than 1 milligram to 6 milligrams per litre. In sea-water the quantity is about 0.3 milligram per litre, but varies slightly according to situation and depth.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices meetings or other events. These should be sent to the Edit by Wednesday of the week before the meetings, etc., occur.

Tuesday, November 3.

Röntgen Society, Institution of Electrical Engineers, Victo Embankment, London, W.C., at 8.15 P.M. General meeting a address by President (Sir A. Pearce Gould).

Wednesday, November 4.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Squa London, W.C., at 11 A.M. Council-meeting.

Thursday, November 5.

Chemical Society, Burlington House, London, W., at 8.30 P. Among the papers to be read are the following: "T Mechanism of the Action of Fused Alkalies. Part I.—T Action of Fused Potassium Hydroxide on Dihydroxystea Acid and Dihydroxybehenic Acid," by Messrs. H. R. Le Sue and J. C. Withers; "Studies in the Succinic Acid Seri Part II.—Anilides and Anilic Acids, and the Effect of Stea Hindrance on the Formation of the Amides," by Mr. G. Morrell; "The Rotatory Powers, Refractivities, and Molecul Solution Volumes of Cinchotoxine and Some Derivatives," Mr. D. H. Peacock; and "The Reaction between Benzylami and the Dibromosuccinic Acids," by Mr. E. P. Frankland.

North London Pharmacists' Association, St. Padarn's, Saltert Road, Seven Sisters Road, Holloway, at 3 P.M. Discussion proposed regulation regarding stock mixtures.

Great Yarmouth Pharmaceutical Association, 156 King Stre at 8.30 P.M. Monthly meeting.

Birmingham Pharmacists' Athletic Club.—An afternoon tea a whist-drive will be held at Rodway's Café, Birmingham, on Nove ber 11, at 2.45 P.M. Tickets from any member of the Committ or Mr. B. Gretton Watson, Alcester Pharmacy, King's Heath.

Ealing Pharmacists' Association.—A whist-drive will be he at Buol's Restaurant, Ealing, W., on November 11, at 8 P. Tickets from Mr. G. W. Udale, The Dispensary, Hanwell Asylu London, W. The proceeds will be given to the National Reli Fund.

South-West Pharmacists' Association.—A whist-drive will held at Clapham Hall, High Street, Clapham, on November 1 at 7 P.M. Tickets (2s. 6d. each) from Mr. E. A. Atkins, Ho Secretary, 71 East Hill, S.W. The proceeds will be given to t British Red Cross Society.

Cultivation of Medicinal Plants.—The Board of Agr culture has issued a leaflet (No. 288) of fifteen pages dealin with the cultivation and collection of medicinal plants i England. It is founded on the article in the Septemb number of the "Journal of the Board of Agriculture" b Mr. W. A. Whatmough, B.Sc., to which reference wa made in the *C. & D.*, September 19, p. 50.

Phosphoroids.—At Bow Street Police Court on Thursda October 29, Ernest Wm. Bates, trading as Williams & Co. St. Martin's Court, Charing Cross, was fined 6*l.*, and 7*s.* 6 costs for selling without stamps "Hercules Damiana Wafers, which bore the following description: "Portable and co venient form of the most powerful tonic discovered. The are a sure remedy for all disorders of the nervous system— 2*s.* 9*d.*, 4*s.* 8*d.*, 11*s.*; 20 doses per box." The catalogu contained the following entry: "Phosphoroids, the world greatest tonic. These tiny blood-tablets are expressly mad to counteract the weakening effects of gonorrhœa, gleet, etc.

The Chemical Society inaugurated the winter sessio by holding a social meeting at the rooms, Burlington House on Thursday, October 22, from 8 P.M. The regulation were suspended to the extent of allowing smoking, and ligh refreshments were obtainable during the evening. From th attendance it seems likely that these meetings, which were started last session, will be a success. Everyone appeare to find congenial company, and the meeting was noticeabl for a sociability and animation which are wanting at th usual scientific meetings of the Society. The bench of th lecture-room was filled with apparatus, chiefly for use i the investigation of absorption-spectra. The apparatu showed the high standard to which the manufacture o delicate and accurate instruments has been brought, an apparently passed the criticism of experts in research wit credit. It was interesting to note that the scientific chemi is not holding himself aloof at the present juncture, sinc the conversation often turned on the possibility of manu facturing in this country many products previously mad in countries which are not now in a position to supply o needs. From this point of view such meetings as these a extremely valuable, and on this account we are pleased see that the Society intends to hold several such functio in the course of the present session. The meeting was ve well attended, and among those present were many the men who have been and are the influential men in t Chemical Society.

Printed for the Proprietors by SPOTTISWOODE & CO., LTD., New-street Square, and Published by the Proprietors at 42 Canno Street, in the City of London.—*October* 31, 1914. [76]

As a result of the prohibition it appears that the druggists' qualities of cinchona, which are usually exported to France and Italy, are now unsaleable here, and there has been practically no competition for manufacturing-bark when offered at the London auctions. The question requires reconsideration by the authorities, who may not know that we have a stock of practically three million ounces of quinine in the docks and public warehouses, apart from stocks held by the wholesale druggists. Before the war broke out the position of quinine was favourable to an advance in price, and there is little doubt that the makers would have raised their quotations again before the end of the year, as the agreement between the Java planters and the quinine-makers, which was ratified in the summer of 1913, was working smoothly, and had not checked consumption at all. It is presumed that the agreement still holds good, but German quinine-makers at the last distribution of bark at Amsterdam on September 30 only took up 15 tons out of the 58 tons offered. By the terms of the agreement the makers are supposed to buy 515 tons of quinine in the bark per annum, but they are protected by a clause which enables them to diminish their purchases in case of "war, fire, strike, or inundation." We have reported that the exportation of quinine is prohibited from Germany, which may account for the makers having bought so little bark. Last year Germany exported 7,237,100 oz. of quinine and quinine salts, of which the U.S.A. took 2,200,000 oz., Russia 1,538,200 oz., and Great Britain 781,400 oz., these quantities being in excess of the previous year. If Germany maintains her present attitude, how is the deficiency to be supplied? By the terms of the agreement all the bark sent from Java must be shipped to Amsterdam and tendered periodically to the different makers who are parties to the agreement, so that there is no possibility of bark-supplies going to other sources which may endeavour to capture some of the German quinine-trade. Apparently, therefore, the agreement may have to be modified.

Insurance Dispensing Agreements.

An unexpected and unfortunate disagreement has arisen in regard to the renewal of the contracts between panel chemists and Insurance Committees in England, consequent upon the Commissioners' insistence that the 1915 agreements should contain the clause regarding stock mixtures which we published last week. We understood then that the clause had been agreed to by the representatives of the British Medical Association and of the Pharmaceutical Society before it was issued by the Commissioners. As a matter of fact, the representatives did consider the proposal, but decided against it, and it was not until that decision became known that the Commissioners without hesitation (which would have been desirable in the circumstances, and as sequential events have demonstrated) telegraphed to Insurance Committees to wait for the circular letter. The result is that some 1915 agreements, so far as chemists are concerned, are held up pending a meeting on Tuesday, November 3, of the Executive Committee of the Pharmaceutical Council, which will then consider the whole matter and advise Pharmaceutical Committees what to do. It may be that the Executive Committee will advise refusal of the stock-mixtures clause, which would be reasonable on several grounds; first, that the Commissioners' proposal as to pricing stock mixtures, though ambiguously phrased, means that the charge would be based upon the prices at which the mixtures may be manufactured in bulk upon the large scale, and not upon the Tariff prices of each ingredient of the mixtures. This basis and the proposal for a reduced fee may be a subject of consideration and modification, but as they stand they are unfair to the chemist. But what makes them extremely objectionable is that they are virtually the Commissioners' reply to the demand for deletion of the discounting clause and the enforcement of a better than the present method for counteracting excessive and extravagant prescribing. Substantially it goes behind Mr. Masterman's exposition of Article 40 of the regulations and his promise to see that panel chemists are justly treated when they have put the machinery of that article in motion and the sources of excessive expenditure are discovered. This is being done, slowly yet steadily, and in Scotland the matter is made a national concern. It is therefore most regrettable that the English Commissioners should now destroy the hopes of chemists for fair treatment by discounting their services in advance, so to speak, and at the same time doing something which will encourage rather than discourage excessive prescribing. Reports received from many districts in England show that where the Commissioners' proposal has been accepted this has been done under strong protest, not only of chemists, but of doctors and members of the Insurance Committees, who feel that the proposal is a return to the objectionable system which prevailed under club practice. In short, it will do the very thing that Mr. Lloyd George expressed the desire to abolish from the outset. The Commissioners are probably beginning to realise this, for in a letter which they have sent to one Committee, while insisting on the clause being included in the terms of the 1915 Tariff, they indicate how the clause may not be enforced! This points a way for negotiation by the Executive Committee, and there the matter may rest for the present.

We have received from the Secretary of the Pharmaceutical Society the following copy of a letter which has been sent to the Clerks of all Insurance Committees in England:

National Health Insurance Commission (England),
Buckingham Gate, London, S.W.,
October 29, 1914.

Sir,—I am directed by the National Health Insurance Commission (England) to advert to their circular-letter of August 20 last (I.C.L. 102) on the subject of the special arrangements applicable to the case of drugs scheduled by the Commissioners as having considerably advanced in price owing to the war.

In addition to the fifteen drugs referred to in that letter, which were specially scheduled as from August 24 last, it has now been decided to add the following drugs to the schedule as from Monday next, November 2:

Am. ichthyosulph.	Paraldehyd.
Acet canthar.	Phenacetin.
Emplast. canthar.	Phenazon.
Chloral hydras.	Pot. permang.
Malourea.	Thymol.

I am accordingly to request that you will be good enough to notify the chemists under contract with the Committee at the earliest possible moment that the special arrangements will be applicable to these additional drugs as from the date above mentioned, and that if they desire to take advantage of those arrangements the necessary records of the quantities of the drugs in question dispensed by them to insured persons will require to be kept as from November 2 on Form Med. 39, in accordance with the instructions already given.

I am, Sir, your obedient servant,
(Signed) John Anderson.

To the Clerk, ——— Insurance Committee.

We recall the fact that at the last meeting of the Pharmaceutical Council the Secretary was instructed to communicate with the Commissioners with a view to an extension of the list of drugs to be the subject of additional remuneration by reason of the increased prices due to the war. The letter is the result.

THE BRITISH PHARMACOPOEIA 1914.

Notes on the new Pharmacopœia, which will come into force on December 31, 1914.

Pharmacy of the Pharmacopoeia.

WE complete the synopsis of the galenical preparations monographs, parts of which were printed in our issues of October 10, p. 50, and October 17, p. 50. In our notes u.a. means that the formula and process have not been altered, and w/v is weight in volume of product.

Trochisci—Lozenges.

The lozenges are prepared with similar bases to those of the B.P. 1898. The metric quantities for each lozenge have been "rounded off," with the result that there is in most cases less active ingredient for 500 lozenges. Thus the quantity for that number of 1-grain lozenges is now 469 grains, instead of 500 grains. There are also slight changes in the bases, which are indicated in the subjoined paragraphs from the appendix, the words in brackets being ours:

With Fruit Basis.—Take five hundred times the quantity of the drug ordered for one lozenge. Mix with 6.5 grammes [100 grains] of tragacanth and 26 grammes [400½ grains] of refined sugar, both in fine powder. Add sufficient of the black-currant paste of commerce to produce 650 grammes [22 oz. 385 grains], beat into a uniform mass, divide into 500 equal lozenges, and dry in a hot-air chamber at a moderate temperature. [Tragacanth replaces three times its weight of gum acacia; the amount of sugar is much decreased and the black-currant paste proportionately increased. Mucilage of acacia is omitted.]

With Rose Basis.—Take five hundred times the quantity of the drug ordered for one lozenge. Treat it as described under "Preparation with simple basis," previously mixing with the refined sugar 0.025 millilitre [$\frac{1}{40}$ minim] of oil of rose. [Rose-water is prescribed by the 1898 B.P. Getting the prescribed amount of otto involves some ingenuity, not uncommon to dispensers.]

With Simple Basis.—Take five hundred times the quantity of the drug ordered for one lozenge, mix it with 496 grammes [17½ oz.] of refined sugar and 19.5 grammes [300 grains] of gum acacia, both in fine powder. Make the mixture into a paste with 35 millilitres [1 fl. oz. 115 minims] of mucilage of gum acacia and a sufficient quantity of distilled water, divide into 500 equal lozenges, and dry in a hot-air chamber at a moderate temperature. [Practically unchanged.]

With Tolu Basis.—Take five hundred times the quantity of the drug ordered for one lozenge; dissolve such salts of alkaloids as may be ordered in 10 millilitres [170 minims] of distilled water. Mix the solution with 482 grammes [17 oz.] of refined sugar and 19.5 grammes [300 grains] of gum acacia, both in fine powder. Incorporate 10 millilitres [170 minims] of tincture of balsam of tolu and any other drugs ordered for the lozenges. Make into a paste with 35.5 millilitres [1 fl. oz. 120 minims] of mucilage of gum acacia and a sufficient quantity of distilled water, divide into 500 equal lozenges, and dry in a hot-air chamber at a moderate temperature. [Practically unaltered.]

Trochiscus Acidi Benzoici.

U.a., but each lozenge contains 0.03 gramme (approximating to ½ grain) of acid.

Trochiscus Acidi Carbolici.

Phenol	15 grains
Refined Sugar	500 grains
Gum Acacia	45 grains
Tragacanth	15 grains
Lemon-juice	50 minims

Divide into thirty-two lozenges. Each lozenge contains about ½ grain of phenol, or half the strength of the 1898 lozenge.

Trochiscus Acidi Tannici.

Prepared with tolu basis instead of a fruit basis, and tannic acid is now 0.3 gramme instead of 0.324.

Trochiscus Bismuthi Compositus.

U.a., except that the metric quantities are increased to round figures—0.15 gramme in place of 0.1296 and 0.3 in place of 0.2592.

Trochiscus Catechu.

Fruit basis used in place of simple basis, with approximately 1 grain (0.06 gramme) in each.

Trochiscus Ferri Redacti.

U.a., with approximately 1 grain (0.06 gramme) in each.

Trochiscus Guaiaci Resinæ.

U.a., with approximately 3 grains (0.2 gramme) in each.

Trochiscus Ipecacuanhæ.

Simple basis used in place of fruit basis; approximately ¼ grain (0.015 gramme) in each.

Trochiscus Kino Eucalypti.

Syn. *Red Gum Lozenge; Eucalyptus Gum Lozenge.*

Each lozenge contains about 1 grain red gum; fruit basis.

Trochiscus Krameriæ.

U.a., with 1 grain (0.06 gramme) in each.

Trochiscus Krameriæ et Cocainæ.

U.a., except alteration in metric quantities—viz., 0.06 gramme (approximately 1 grain) extract and 0.003 gramme cocaine hydrochloride (0.046 grain instead of 0.05) in each.

Trochiscus Morphinæ.

U.a., but morphine increased from $\frac{1}{36}$ to $\frac{1}{32}$ grain in each (*i.e.*, from 0.0018 to 0.002 gramme).

Trochiscus Morphinæ et Ipecacuanhæ.

U.a., but morphine increased from $\frac{1}{36}$ to $\frac{1}{32}$ grain and ipecacuanha from $\frac{1}{12}$ to about $\frac{1}{11}$ grain.

Trochiscus Potassii Chloratis.

U.a., but potass. chlor. now 0.2 gramme (3 grains).

Trochiscus Santonini.

U.a., but santonin now 0.06 gramme (slightly less than 1 grain).

Trochiscus Sulphuris.

Precipitated Sulphur ...	150 grains
Acid Potassium Tartrate ...	30 grains
Refined Sugar	275 grains
Powdered Acacia	30 grains
Tincture of Orange, Mucilage of Acacia, of each	33 minims

Divide into thirty lozenges. The sulphur for 500 lozenges is reduced from 162 to 150 grammes, leaving slightly less than 5 grains in each, and the cream of tartar proportionately.

Unguenta—Ointments.

Unguentum Acidi Borici (u.a.).

Unguentum Acidi Carbolici.

Contains 3 per cent. of phenol in place of 4 per cent. The glycerin is dropped out, which is an improvement.

Unguentum Acidi Salicylici (u.a.).

Unguentum Aconitinæ (u.a.).

Unguentum Aquæ Rosæ.

Rose-water	5 oz.
White Beeswax	4½ oz.
Purified Borax	¼ oz.
Almond Oil	15¼ oz. (by weight)
Oil of Rose	12 minims

Mr. E. W. Lucas's changes, which are for the better.

Unguentum Atropinæ (u.a.).

Unguentum Belladonnæ.

Liquid extract of belladonna 2 fl. oz., evaporated to ½ fl. oz. and mixed with 1½ oz. benzoated lard and ½ oz. wool-fat.

Contains 0.6 per cent. alkaloid; is lighter in colour than the 1898 ointment.

Unguentum Cantharidini.

Cantharidin	1 grain
Chloroform	110 minims
Benzoated Lard	6 oz. 275 grains

Dissolve cantharidin in chloroform and add solution to melted benzoated lard.

Contains 0.033 per cent. cantharidin, and is two-thirds strength of 1898 ointment.

Unguentum Capsici.

Capsicum-fruit	2½ oz.
Hard Paraffin	1 oz.
Soft Paraffin	7½ oz.
Prepared Lard	1 oz.

Digest on water-bath for an hour, strain, and stir till cold. The "crystalline" appearance of the ointment is no longer possible.

Unguentum Cetacei.

Spermaceti	2½ oz.
White Beeswax	1 oz.
Liquid Paraffin	9 oz.

Formula entirely changed to prevent rancidity developing.

Unguentum Chaulmoogræ. Syn. *Gynocardia Ointment.*

Chaulmoogra Oil	1 oz.
Hard Paraffin	4 oz.
Soft Paraffin	5 oz.

Unguentum Chrysarobini.

Soft paraffin replaces benzoated lard.

Unguentum Cocainæ (u.a.).

Unguentum Creosoti (u.a.).

Unguentum Eucalypti (u.a.).

Unguentum Gallæ (u.a.).

Unguentum Gallæ cum Opio (u.a.).

Unguentum Hamamelidis.

Liq. Ext. Hamamelis ...	1 fl. oz.
Wool-fat	6 oz.
Soft Paraffin	3 oz.

Unguentum Hydrargyri.

Mercury	3 oz.
Benzoated Lard	6½ oz.
Prepared Suet	½ oz.

Ointment is three-fifths strength of 1898 ointment. Still too strong for most purposes, and might well have been reduced to contain 20 per cent. of mercury. Lucas's suggestion for two ointments, one strong and the other weaker, should have been adopted.

Unguentum Hydrargyri Ammoniati.

Ammoniated Mercury ...	½ oz.
Benzoated Lard	9½ oz.

Half the strength of the 1898 ointment.

Unguentum Hydrargyri Compositum (u.a.).

Contains three-fifths of the mercury in the 1898 ointment.

Unguentum Hydrargyri Iodidi Rubri (u.a.).

Unguentum Hydrargyri Nitratis (u.a.).

Unguentum Hydrargyri Nitratis Dilutum (u.a.).

Unguentum Hydrargyri Oleatis (u.a.).

Unguentum Hydrargyri Oxidi Flavi (u.a.).

Unguentum Hydrargyri Oxidi Rubri (u.a.).

Unguentum Hydrargyri Subchloridi.

Mercurous Chloride ...	1 oz.
Benzoated Lard	4 oz.

Ointment doubled in strength in accordance with Wild's suggestion.

Unguentum Iodi (u.a.).

Unguentum Iodoformi.

Strength u.a. Paraffin ointment replaced by prepared lard, as suggested by Wild.

Unguentum Lanæ Compositum. Syn. *Emollient Ointment.*

Prepared Lard	4 oz.
Wool-fat	4 oz.
Paraffin Ointment	2 oz.

Unguentum Myrobalani.

20 per cent. myrobalans in benzoated lard.

Unguentum Myrobalani cum Opio.

Myrobalan Ointment ...	92½
Powdered Opium	7½

Unguentum Paraffini.

Hard Paraffin	216 grains
Soft Paraffin	1 oz. 122 grains
White Beeswax	24 grains

Unguentum Picis Liquidæ.

Tar	7 oz.
Prepared Lard	⅓ oz.
Yellow Beeswax	2⅓ oz.

The addition of the lard make a less sticky ointment.

Unguentum Plumbi Iodidi.

Benzoated lard replaces paraffin ointment, otherwise u.a.

Unguentum Plumbi Subacetatis.

Strong Solution of Lead Subacetate	1 oz.
Wool-fat	2 oz.
Hard Paraffin	1 oz.
Soft Paraffin	4 oz.

Unguentum Potassii Iodidi (u.a.).

Unguentum Resinæ.

U.a., except that the lard is increased from 6 oz. to 6 oz. 336 grains.

Unguentum Staphisagriæ (u.a.).

Unguentum Sulphuris (u.a.).

Unguentum Zinci (u.a.).

Unguentum Zinci Oleatis.

Hard soap increased from 4 to 6 oz.; otherwise u.a.

Vina—Wines.

Vinum Antimoniale.

Strength reduced by 20 per cent.

Vinum Colchici (u.a.).

Vinum Ferri (u.a.).

This preparation, condemned alike by medical men, pharmacists, and the Inland Revenue, has surely outlived its usefulness.

Vinum Ferri Citratis.

Practically u.a.

Vinum Ipecacuanhæ (u.a.).

Vinum Quininæ (u.a.).

Vinum Aurantii.

Contains from 15 to 17 per cent. of alcohol instead of 10 to 12 per cent. It will keep better.

Vinum Xericum.

Contains not less than 16 per cent. of alcohol (u.a.).

The Chemical Monographs.

Generally speaking, the monographs on chemical substances in the new Pharmacopœia are clearer, and rarely is any doubt left as to the meaning. Fixing definite standards of purity and definite limits of impurity is an excellent step. But if this part of the work of revision has been well done, the manner in which it is set out leaves much to be desired. The tests are again so jumbled up that it is not easy to pick out individual reactions. It was expected that in this edition each test would have been paragraphed like the United States Pharmacopœia. It is also noticeable that the descriptions of processes by which chemical substances may be prepared have been considerably curtailed. This is a step in the right direction. In this section of our commentary and criticism alkaloids and alkaloidal assay processes are not included, being reserved for a later section.

The following contractions are employed: C.R., Recommendation of the Committee of Reference in Pharmacy; m.p., melting-point; b.p., boiling-point; app., approximately; sp. gr., specific gravity; sol., solubility; syn., synonym; the meaning of other abbreviations will be sufficiently evident. The symbols Pb and As have been used in dealing with the lead and arsenic limits. All temperatures are given in degrees Centigrade.

Acetanilide. *Syn.* Phenyl-acetamide.

M.p. 113° (formerly 113.5° "when dry"). Cold acid is specified in the sulphuric-acid test (C.R.). Sol. 1 in 210 of cold water (instead of 1 in 200). Tests for free acid, phenazone, salts of aniline, and readily charred organic impurities are retained as well as the isocyanide and bromine reactions. The ferric-chloride test (boiling solution) is omitted (C.R.). An ash maximum of 0.5 per cent. is introduced. The antifebrin footnote is omitted and the dose increased from 1 to 3 grains to 2 to 5 grains. The new monograph accords better with commercial samples of acetanilide than the old one.

Acetonum. Dimethyl-ketone.

Sp. gr. 0.795 to 0.798. Not less than 95 per cent. should distil between 55° and 57°. Limits are given for acid and readily oxidisable impurities.

Acidum Aceticum.

The strength is unaltered and the tests of the 1898 edition are retained. A test for the absence of Pb and an As limit of 2 parts per million have been introduced (C.R.).

Acidum Aceticum Dilutum.

Contains 5 per cent. by weight of $HC_2H_3O_2$ (formerly 4.27 per cent.), and the dose has been reduced to one fluid drachm (C.R.). It therefore practically corresponds to acidum aceticum dilutum of the German, Swiss, and U.S.A. Pharmacopœias.

Acidum Aceticum Glaciale.

Contains not less than 98.9 per cent. of $HC_2H_3O_2$, which is the figure required by titration in the 1898 monograph. M.p. not below 14.7° (C.R.). The melting-point now agrees with the strength required by titration.

(*To be continued.*)

TRADE NOTES.

Thermos Flasks of American manufacture are now being sold by Thermos, Ltd., 8 Long Lane, Aldersgate Street, London, E.C. These retail at from 8*s.* 9*d.* each.

Thermogene is entirely British made and British owned. The Thermogene Co., Ltd., Haywards Heath, have presented a lot of it to the British Red Cross Society.

Energen Gluten Bread and Biscuits are made by the Therapeutic Foods Co., 19 Bedford Chambers, Covent Garden, London, W.C. These are packed in sealed boxes for chemists' trade.

Cockle's Pills have since October 26 been sold by the proprietors on a minimum retail-price principle—10½*d.* for the 1*s.* 1½*d.* size and 2*s.* 3*d.* for the 2*s.* 9*d.* Quotations are given in Messrs. James Cockle & Co.'s advertisement in this issue.

Messrs. John Morgan Davis & Sons, 278 Bishopsgate, London, E.C., have appointed W. R. Everett, Ltd., of Cape Town and Johannesburg, as agents in the South African Union for "Hernicura" trusses, Dr. Nelson's Loofite socks, and their other specialities.

Java Quinine.—The Bandoeng Quinine-factories, Bandoeng, Java, and 173 Keizersgracht, Amsterdam, offer in their advertisement quinine and quinine salts and sugar-coated quinine tablets. These factories are in a unique position for the supply of these products.

French Chemicals.—The announcement in this issue of Henri Pelliot et Cie., 27 Rue des Francs Bourgeois, Paris, is interesting at the present time, and especially as the firm offer citric acid, pure cream of tartar, and tartaric acid, which are much wanted in this country.

British-made Hot-water Bottles.—The "Lynchgate" and "Sandringham" are two hot-water bottles of British make specified in the advertisement in this issue of May, Roberts & Co., Ltd., 7, 9, and 11 Clerkenwell Road, London, E.C. Definite guarantees of quality are specified.

Swiss-made Chemicals.—Emil Scheller & Co., A.G., Zurich, enumerate in their advertisement a number of chemicals and pharmaceutical preparations which they sell, and which are made in Switzerland. The list includes some of the fine chemicals at present in short supply in this country.

Northern College of Pharmacy.—The Principals of this College, 100-102 Burlington Street, Manchester, have just issued an interesting booklet and a folder regarding the courses of instruction, copies of which will be sent to any student on application to the Principals at the above address.

Blondeau Perfumery.—Messrs. Blondeau et Cie., in their advertisement, mention special lines of Blondeau perfumery suited for Christmas trade. A full range of these specialities is to be shown to chemists by the company's representative. A point is made of the substantial margin of profit which these goods yield.

Gosnell's Specialities are to experience a boom on account of the inauguration of a selling-plan, of which further particulars are promised next week. Messrs. John Gosnell & Co., Ltd., Blackfriars Road, London, S.E., in making this announcement in this number, give a suggested order which includes their principal lines.

"Warmth at Will" is the title of a booklet issued by John Wright and Eagle Range, Ltd., Aston, Birmingham, and 19 and 21 Queen Victoria Street, London, E.C. The special subject with which it deals is the "St. Andrew" gas-heated radiator, which is claimed to be the most effective and economical heating-apparatus for all positions for which a flueless stove is suitable. For heating shops the "St. Andrew" radiator is excellent. Chemists on the look-out for a system of heating should obtain a copy of this booklet.

The P.A.T.A. Protected List for October contains the following additions:

Allen & Hanburys' Alkagen Lozenges, Hæmorrhoidal Ointment, and Mycetol (four sizes); Aquaperia; Coxpyrin (three sizes); Dearborn's Bicrolium, Tammelite, Barsyde, Stymol, and Liquid Pergol; Helicon (two sizes); Hendrie's Flag Eau de Cologne (six sizes); McClinton's Colleen Vanishing Cream and Shampoo; Nulha preparations; Prideaux preparations; Salveesa; Sanaphos; Schutze's specialities; Toinoco Handkerchiefs de Luxe; Trivalin preparations; Williams' Violet Soap. Several articles have been altered in price this month, including Allen & Hanburys' Hæmorrhoidal Suppositories, Cleaver's Terebene Hair-wash; Dun's Capsules; Erasmic Eau de Cologne; Idris & Co.'s Lithia-water and Lemonade (in Chinaway syphons), and Tonalka Water (not now put up in syphons); Kerfoot's Vocaform Tablets; McClinton's Talcum Powder; Mackenzie's Smelling-bottle (both sizes); Sparklets Syphons, Bulbs, and Sparklogene; West Surrey Central Dairy Co.'s preparations.

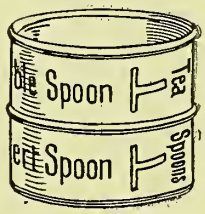
War-time Soap.—Messrs. Evans Sons Lescher & Webb. Ltd., Liverpool and London, are sending out boxes of "Army and Navy" soap, which is particularly suitable for present sale. The soap is sent out in three colours—red, white, and blue—and bears portraits of Lord Kitchener and Admiral Jellicoe. The tablets are packed in hinged boxes of one dozen tablets, the boxes being labelled with portraits of the heads of the Forces. Small soap-models of Lord Kitchener are a line that should sell quickly just now. The advertisement in this issue gives particulars as to prices.

"Pylitna," the remedy for hæmorrhoids introduced by Messrs. G. S. Mumford & Sons, Great Saffron Hill, London, E.C., is meeting with steadily growing appreciation, and Messrs. Mumford are receiving many unsolicited testimonials in regard to it. One of the most recent is from a pharmacist, and we venture to quote from it:

"I have always suffered with piles, and many years ago these developed into a fissure, which caused me agonies of pain for over a month and finally had to be operated upon. This year, in February, I had a return of the complaint, and was in dreadful fear of having to go through the same torture, when a friend recommended me Pylitna powders, and, although I had tried everything in my own shop, I found nothing approaching the relief I obtained from the first box of Pylitna powders which I tried. By the end of a week the fissure was practically cured, and, in fact, I suffered very little pain after the first two doses."

Each of the powders contained in the 2*s.* 9*d.* box is put up in an envelope. As the makers desire retail chemists to co-operate with them in making "Pylitna" better known to the public, they have protected the price through the P.A.T.A. and secured a good profit to the retailer. Subscribers should ask Messrs. Mumford for further particulars.

An Aluminium Measure is represented in the accompanying sketch. It is 1⅛ in. deep by 1¼ in. diameter, and is marked at the teaspoonful, dessertspoonful, and tablespoonful divisions. Measures of this style have hitherto been made in Germany, and have been made familiar through being given away with bottles of a surgical antiseptic; but this measure which we figure is a better article, and much credit is due to the manufacturers, Venesta, Ltd., 1 Great Tower Street, London, E.C., for their enterprise and skill in producing so good a thing at this time. The metal from which the measures are made comes from Canada, as well as the British Isles, and we notice, on comparing it with a German-made measure, that the latter is inferior as to metal, and not so elegant in shape. Venesta, Ltd., will submit samples and quotations to manufacturers of antiseptics of the liq. cresol. saponat. class, but there is no reason why the measures should not also be given away with any medicament which has to be measured in spoonfuls.



"Eclipse" H.W. Bottle.—The hot-water bottle here illustrated is manufactured by Messrs. J. G. Ingram & Son, Hackney Wick, London, N.E., and, almost needless to say, it is British made by British labour, the firm having a world-wide reputation based upon more than a generation of experience in the production of high-class indiarubber articles. The rubber used in the "Eclipse" bottle is pure, being entirely devoid of the "composition" which is used in making cheap German rubber goods, and which in the case of hot-water bottles frequently leads to disaster. Messrs. Ingram guarantee their bottles for two years' service, and a guarantee is given with each bottle. We are struck with the stopper, which is of novel construction, so that it does not slip, become loose, or permit leakage. The "Eclipse" is made in various sizes, and our subscribers can obtain particulars and prices from the firm on application.

Christmas Perfumery.—The receipt of Messrs. Southall Bros. & Barclay's annual price-list of perfumery and the illustrated catalogue which accompanies it is a reminder, had one been needed, that we are approaching the season of peace and goodwill, when, whatever the condition of the world at large may be, in the homes of these islands Christmas cheer will prevail. We heard the other day of a great charitable institution which has held an annual festival 249 times. When Napoleon threatened to invade these shores the festival was held, a prince of the royal house presiding. Now that the two hundred and fiftieth time draws nigh the institution does not see why it should stop on account of Kaiser Wilhelm what was carried out when the great Napoleon was knocking at our door. This is the spirit with which chemists should face Christmas, for the British people will so approach it, and gifts both small and large will be bought. Messrs. Southall Bros. & Barclay, Ltd., have now been specialising in the Christmas perfumery business for seven-and-twenty years, and the business has grown bigger year by year. They had made their arrangements and secured their supplies long before the war was dreamt of, yet, judging from the catalogue illustrations and samples, they have succeeded in devising for retail chemists a range of gifts and series of assortments which are calculated to meet admirably what the public will want at Christmastide, the range sufficing to suit all purses. The company are making a speciality this year of bottled perfumes uncased. Value and Variety might be

the maxim in regard to these. Our illustration is of three bottles taken at random from a collection; over sixty styles of bottles are figured in the company's illustration-book, which, with the price-list, can be had on application to the company at Lower Priory, Birmingham. The retailer can select for himself styles to suit his customers, or he may get assortments—*e.g.*, one containing twenty-eight bottles, varying from ½ oz. to 3 oz., for 20*s.*; a second assortment of forty-six bottles, ½ oz. to 4 oz., costing 40*s.*; and a third of twelve bottles, retailing at 6*d.* to 10*s.* 6*d.*, costing 25*s.*—in each case carriage paid. In cased perfumes the choice is excellent, as may be judged from the fact that no fewer than 142 of the cases are represented in the illustrations, which are natural-colour reproductions of the originals, made and printed in the company's private press. The art designs this year are decidedly pleasing, the colours, decorations, and materials being in unusually good taste. No. 502, for example, is a case of Louis XIV. design, with a medallion miniature on the top and two 3-oz. bottles of perfume inside. It is just the thing, when empty, to use as a trinket-case; and rich though it is in character, quality, and style, the cost to the retailer is only 6*s.* 4½*d.* We note that the highest price per case is 20*s.* and the lowest 4*s.* 9*d.* per doz. The company offer retailers, besides these individual cases, four assortments of them at 20*s.* carriage paid—viz., A, thirty cases retailing at 6½*d.* to 2*s.* 6*d.* each; B, twelve cases retailing at 1*s.* 9*d.* to 3*s.* 6*d.* each; C, eight cases retailing at 3*s.* to 5*s.* each; and D, six cases to retail at 4*s.* to 6*s.* 6*d.* A fifth assortment costs 2*l.* carriage paid, and contains nineteen cases, which the company consider to be the best selling lines; they retail at from 6½*d.* to 7*s.* 6*d.* each. Among the cases we observe one of "Dartmoor Heather" in a peculiarly attractive imitation brown-wood box, containing a 2-oz. bottle of this novel perfume (cost 22*s.* 6*d.* per dozen cases). This is a good companion to the S. B. & B. "Devonshire Violets," which is an established favourite. The British eau de Cologne that they offer is labelled in patriotic style, and if need be the retailer's name and address can be printed on the labels, which also applies to lavender-water and "Own Bouquets"; in short, Messrs. Southall Bros. & Barclay in their perfumery department provide retailers with a rich store of profit-making business-bringers, which may be worthily handled by pharmacists.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

Taylor's Drug Co., Ltd., are opening a branch at Park View, Whitley.

Mr. Lionel S. M. Dawson, chemist and druggist, is shortly to open a pharmacy in City Road, Sheffield.

Mr. J. Harold Meadowcroft, Ph.C., has commenced business on his own account at Abbeydale Road, Sheffield.

Messrs. v Berg & Heinrich, merchants, 63 Mark Lane, London, E.C., announce that their senior, Mr. H. von Berg, has retired after forty-four years' participation. The business will be carried on by his sons, Messrs. Harry von Berg and Alfred von Berg, as v Berg & Sons.

DEEDS OF ARRANGEMENT.

Pinder, John, trading as Smith & Co., 123 Gedling Street, and residing at 198 Mansfield Road, Nottingham, Druggist.—Trustee, F. W. Green, Nottingham, accountant. Dated, October 16; filed, October 23. Secured creditors, 318*l.*; liabilities unsecured, 479*l.*; estimated net assets, 456*l.* The creditors include: W. J. Bush & Co., Ltd., London (29*l.*); Hirst, Brooke & Hirst, Ltd., Leeds (4*l.*); E. H. Butler & Son, Leicester (30*l.*); Hunts Cash Chemists, Netherfield (3*l.*); Newball & Mason, Nottingham (7*l.*).

Rowe, John, the Medical Hall, Fisherton Street, Salisbury, Chemist and Druggist.—Trustee, P. S. Booth, 32 Kimberley House, London, accountant. Dated, October 23; filed, October 24. Liabilities unsecured, 412*l.*; estimated net assets, 267*l.* The creditors include: Baiss Brothers & Stevenson, Ltd. (23*l.*); Bourne, Johnson & Latimer (14*l.*); G. Boehm (15*l.*); and Ayrton, Saunders & Co., Ltd. (62*l.*). [A meeting of the creditors was held at the office of Mr. P. S. Booth, Kimberley House, Holborn Viaduct, E.C., on October 23, when a statement of affairs presented showed liabilities, 409*l.* 7*s.* 6*d.*; and assets, 267*l.*, consisting of stock-in-trade 150*l.*; fittings, fixtures, and utensils, 125*l.*, estimated to realise 25*l.*; furniture, 80*l.*; and book debts, 12*l.* It was reported that the debtor had been in business for thirty-eight years at his present address. The returns had fallen from 20*l.* weekly to 16*l.*, and for some time the business had been carried on at a loss. The debtor was unable to make any offer, and it was decided that the estate should be dealt with under a deed of assignment.]

GAZETTE.

Partnership Dissolved.

Inge, P., Inge, H., and Bolton, T. W., High Street, Winchester, and West Street, Alresford, Hants, chemists, opticians, and artificial-teeth adapters, under the style of Eldred & Inge.

Bankruptcy Acts.

Receiving Order.

Johnson, J. M., High Street, Upton-on-Severn, chemist and druggist.

Adjudication.

Johnson, J. M., High Street, Upton-on-Severn, chemist and druggist.

A Man Sued for Rent at the Bow County Court, on October 23, stated that before the war he made 5*l.* a week easily by selling hair-restorer in the market places and in the gutter. He was once bald, but now has very long hair from using his own hair-restorer. He had done well out of it, he explained to the Judge, because it is the best of stuff, and hair-restorer is a good line to take up among the poorer classes.

WINTER SESSION

of Meetings of Trade Associations.

Others are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Birkenhead.—At a meeting of the Birkenhead and Wirral Association of Pharmacists, held on October 27, Mr. F. C. Cooling was re-elected *President*, and Mr. J. C. Caine, Upton Road, Birkenhead, was elected *Hon. Secretary*.

Bournemouth.—A meeting of the Bournemouth Pharmaceutical Association was held at Gervis Hall on October 23, Mr. W. E. Curtis in the chair. There were also present sixteen members and Mr. Scampton, the Hon. Secretary. Resolutions were passed that the Buying Section be dropped, that an alteration be made in the rules regarding the date of the annual meeting, and that the annual dinner be not held this session. Mr. George C. Crummack was proposed as a member. Correspondence was read with Messrs. Savory & Moore with regard to an active-service medicine-case being offered to the drapery-trade of the town, and the Secretary's action approved of. Mr. Bilson explained the present state of affairs with regard to the new Tariff, and the Secretary mentioned that the Pharmaceutical Committee had considered the matter. No further action is to be taken until after the meeting of the Executive Committee of the local Associations.

Bradford.—A meeting of the Bradford Pharmacists' Association was held on October 22, Mr. R. T. Silson presiding. The Chairman referred to the present unsettled state of the Drug Tariff and prices of drugs, and expressed approval of the suggestion of the London Association that Associations should take combined action in endeavouring to arrange with the manufacturers of patent and proprietary medicines for the protection of prices, so as to assure the retailer a profit of 25 per cent. or 33 per cent. Speaking of the inflated prices of certain drugs affected by the war, the Chairman suggested that the Association should arrange a list of minimum prices at which these things should be sold. Mr. Penty said such a list would have to be revised every two or three weeks. Mr. Faull said some retailers are selling below market prices. Eventually Messrs. Jackson, Priestley, Faull, Day, and Bailes were appointed a Sub-Committee further to consider the subject. The Chairman introduced a discussion on the new Tariff, and referred to the great number of unpriced items; these are chiefly bromides, citrates, iodides, synthetics, and dressings. The Secretary mentioned that he had that day heard from Mr. Woolcock, asking the chemists to take no action until further advice is given. Mr. Firth held that the position in the matter of drachms of tinctures is entirely illogical, but objection was taken to any reduction until the discounting clause is removed. The Chairman referred to the prices of malt and oil, and said these had been considered by the Insurance Committee, who had decided that it would be unfair to withdraw them from the list in view of the distress caused by the war.

Cambridge.—Mr. J. Evans presided at the twenty-first annual meeting of the Cambridge Pharmaceutical Association on Friday, October 23. The Secretary's and Treasurer's reports were adopted. The report of the Juniors was an encouraging one, in spite of the fact that their numbers have been depleted by the demands of the Army. The President gave a short account of his two years' occupancy of the chair, and moved votes of congratulation to Mr. E. S. Peck, on his election to the Presidency of the British Pharmaceutical Conference, and to Mr. E. H. Church, on his election as a councillor of the borough. The following officers were elected: *President*, Alderman A. S. Campkin; *Vice-Presidents*, Messrs. H. F. Cook, J.P., E. H. Church, J. Evans, S. J. Parson, and E. S. Peck; *Treasurer*, Mr. H. Flanders; *Secretary*, Mr. S. F. Barker; *Auditor*, Mr. S. Beall; *Committee*, Messrs. B. S. Campkin, Bryant, Mallett, Moss, M. E. Parson, and G. L. Wood. Mr. Campkin, in acknowledging the honour paid him, gave an interesting review of his public work for pharmacy. The coming of age this year of the local Association was an opportunity for referring to the work that had been done locally, and the means taken to keep in touch with representatives and administors of pharmaceutical affairs.

Cardiff.—Mr. W. R. Williams presided at a meeting of the Pharmacists' Association on October 27, when the following officers for the coming year were elected: *President*, Mr. S. B. Eason; *Vice-President*, Mr. McLea; *Hon. Secretary*, Mr. Jas. Murray; *Assistant Hon. Secretary*, Mr. J. D. Jenkins; *Commercial Hon. Secretary*, Mr. H. F. Davis; *Committee*, Messrs. A. S. Johnson, Purves, Fred Taylor, Owen Jenkins, E. C. Harden; and Messrs. J. A. Jones, A. Hagon, and Leo Joseph were co-opted as members of Committee. Mr. Hagon addressed the meeting on Insurance matters, and a long discussion followed on the proposed Tariff for 1915 and the Commissioners' stock-mixture clause. Mr. Leo Joseph said that the principle is wrong, and insisted on opposition. Mr. J. A. Jones agreed, and this was the general view of the meeting, the result being that Mr. Joseph was asked to express these views to the Insurance Committee when the Tariff came before them. Mr. Atkins's proposal as to better prices for proprietary articles was agreed to.

Dorset.—The annual meeting of the Dorset County Pharmacists' Association was held at the London Hotel, Poole, on October 22. There was a good attendance. The Secretary's report dealt with the work accomplished during the year, and the Treasurer's report showed a balance in hand of 14*l.* 11*s.* 9*d.* Both reports were adopted. Mr. R. H. Groves (Blandford) was unanimously re-elected *President*, Mr. H. Ayres (Poole) *Vice-President*, Mr. B. H. Randall (Wareham) *Treasurer*, and Mr. J. W. Cussons (Dorchester) *Hon. Secretary*. The various communications from the Pharmaceutical Society and from the Insurance Commissioners regarding the new Tariff arrangements for 1915 were read and discussed. It was regretted that every chemist in the county was not present to realise the endeavours that are being made to encroach upon their remuneration for National Insurance work. The meeting would not accept the rendering that "aqua" should mean tap-water, nor were the members agreeable that stock mixtures at half dispensing rates should be part of the arrangements. The Pharmaceutical Committee was instructed to strenuously oppose any alteration on these points.

Ealing.—The first annual meeting of the Ealing and District Pharmacists' Association was held at the Ealing Chamber of Commerce on Wednesday, October 21. The Secretary (Mr. G. W. Udale) presented the financial statement, which showed a credit balance of 4*l.* 0*s.* 5*d.* Mr. W. Walsham was elected President, but has since declined the office owing to military duties. Messrs. Roberts, McKee, Webber, Weston, Norris, and Senior were elected members of the Committee, and Mr. G. W. Udale Hon. Secretary and Treasurer, while it is being considered whether it is desirable to continue the Association. Mr. H. E. Clement (Chairman of the Middlesex Pharmaceutical Committee) then spoke about the Draft Tariff for 1915, and was followed by Mr. Herbert Skinner and others.

Essex (S.E.).—A meeting of the South-East Essex Pharmacists' Association was held on October 26 at the Liberal Club, Southend-on-Sea, when the programme was arranged for the ensuing session. The first evening meeting will take place on November 30, and the annual meeting in December. At the first meeting Messrs. Bruce and Lea will read a paper on "Some Difficulties in Dispensing." The meeting afterwards discussed the new Tariff, and decided to accept the decision of the County Association.

Harrow.—The annual meeting of the Harrow District Pharmacists' Association took place at the Gayton Rooms, Harrow, on October 15, Mr. John Humphrey in the chair. The report and balance-sheet for the year were presented by the Secretary, and adopted. The following officers were elected for the year: *President*, Mr. John Humphrey; *Vice-President*, Mr. H. Rigden; *Hon. Secretary and Treasurer*, Mr. A. W. Hall; *Assistant Secretary*, Mr. T. Bright; *Committee*, Messrs. Brimson, Dwelly, Cooper, Hoare, Leefe, Lobbett, Sayers, and Sharman. Messrs. Rigden and Bright reported on the work done by the County Executive Committee.

London.—Mr. J. Keall presided at a meeting of the Executive of the London County Pharmaceutical Association at 17 Bloomsbury Square on October 27. The subject of early closing of shops in London and the question of setting up a rota for Insurance dispensing were referred to the District Associations. It was proposed by Mr. Milner that a series of sub-district meetings should be held covering the London area with a view to some definite action being taken regarding unnecessarily long hours of business; the practice of breaking bulk; the retailing of goods at little or no profit; lack of interest by some pharmacists in our local Associations; and with a view to increasing the membership of the Pharmaceutical Society.

Nottingham.—A meeting of the Notts County Pharmacists' Association was held at the Swan Hotel, Nottingham, on October 21, Mr. Briggs in the chair. There were also present thirteen members and the Hon. Secretary. Memo. 199/I.C. was discussed, and a circular approved as drafted by a Sub-Committee of the Pharmaceutical and Panel Committees to be issued by the Panel Committee to practitioners, asking them to avoid ordering large quantities of ointments, dressings, and spirituous liniments. Correspondence from the

Commissioners and Pharmaceutical Society was read; also a letter from the Insurance Committee about the stock-mixture clause. The Secretary had replied refusing to admit the clause on the grounds that to permit stock mixtures would be to revert to the evils of club practice. The representative on the Insurance Committee reported that he had been able to get the retention money reduced from 10 to 7½ per cent., and that in future accounts will be paid within the month.

Paisley.—Mr. A. Fraser presided at the opening meeting of the Paisley and District Pharmaceutical Association, held at the George Temperance Hotel, Paisley, on October 23, when Dr. T. Stewart Barrie gave a most interesting lecture on *The Internal Structure of the Eye*, which was illustrated with lantern-slides. On the motion of Mr. Inglis, a vote of thanks was accorded, and the President afterwards entertained the company to tea. An excellent programme for the session has been prepared.

Public Pharmacists.—The new session of the Public Pharmacists' and Dispensers' Association had a very good beginning on Wednesday evening, October 28, when Dr. Ashcroft Ellwood delivered an admirable lecture on *The Influence of the War on Medicine and Pharmacy*. St. Bride Institute, E.C., was the meeting-place. After expressing abhorrence of war as a final resort of settling disputes, Dr. Ellwood spoke of the immediate effects of war on medicine and pharmacy, stating that as soon as war broke out a large number of general practitioners volunteered, and are now serving professionally with the Colours, as also are many young practitioners, for whom the final examinations had been expedited. Pharmacists also had been called upon, and the immediate result is that in both ranks there is a dearth of assistants. Doctors remaining in practice, instead of pirating upon the practices of their *confrères* who are with the Colours, are doing all they can by attending their patients to conserve their connection, so that it will be at the end of the war just as it was when they left. The arrangements for the medical attendance and treatment of the dependants of sailors and soldiers was next dealt with, Dr. Ellwood also speaking of the shortage of chemicals and drugs, and the influence that had been exerted in the conservation of supplies by the issue of an official list of medicines to all medical men on the register. Some illuminating remarks on the cultivation of drugs in this country followed, the lecturer incidentally mentioning that in his own garden at Tollington Park he grows about twenty-five medicinal plants, from which he makes his own tinctures (Dr. Ellwood is a Major man). Speaking of the use of fancy names for medicines, he queried if it is strictly within the ethical code. An old medical ethic was that there should be no secret in regard to medicines, and everything that was secret was regarded as "quack." He came to the conclusion that while genuinely new discoveries of medical agents may be the subject of Letters Patent, their names ought not to be registered as trade-marks. The second section of the lecture was devoted to the ultimate effects of war. A special word of warning was given in regard to employment for fighting men when they return to civil life. He hoped that their old occupations will be available for them, although this may require most careful arrangement and adaptation. He also urged that we ought to become independent in the matter of chemical and drug supplies, and give encouragement to the making of galenicals from English drugs. He thought that a grant should be made by the educational authorities for the purpose of establishing pharmaceutical research scholarships. After some remarks contrasting the export trade of Germany and of the United Kingdom in drugs and chemicals, Dr. Ellwood advocated greater freedom in the use of duty-free alcohol in manufactures, and concluded with an interesting exposition of German business methods. A good discussion ensued. It was opened by the Chairman (Mr. Peter MacEwan), who was followed by the President of the Association (Mr. T. H. W. Idris), Mr. R. W. Lindsey (Secretary), Mr. Herbert Skinner, Mr. Procter Atkinson, Mr. F. E. Bullen, Mr. J. H France (Chairman), and Mr. G. W. Gibson (Secretary), the vote of thanks being proposed by Mr. Idris, who characterised the lecture as "eminently practical." Dr. Ellwood replied. Two new members were elected, and one in the Westminster Yeomanry sent his subscription.

Society of Chemical Industry.—At a meeting of the Yorks Section held in the Queen's Hotel, Leeds, on October 26, Mr. Rhodes K. Calvert (Secretary of the Leeds Chamber of Commerce) opened a discussion on the legal restrictions upon the use of alcohol for industrial purposes. Professor Green stated that the cost of industrial alcohol in this country is 30 per cent. higher than in Germany, and ether and acetic ether are 40 per cent. dearer than in Germany. In England some commodities cannot be got, because they could not get pure ether. The whole range of products, dyestuffs, etc., depends on having cheap ether. All that was required is that British manufacturers should be placed on a similar footing to their German competitors, and he trusted that strong representations would be made to the Government upon the matter. Mr. F. W. Branson, F.I.C., F.C.S., speaking as a pharmacist, referred to the regulations regarding the use of methylic alcohol as in the manufacture of formaldehyde. Professor Green said that he would make it criminal to use methylic alcohol in anything potable, and this would leave it free for scents and anything of that kind. Eventually, upon the motion of Mr. Branson, seconded by Mr. Thos. Fairley, F.I.C., F.C.S., it was resolved that the Committee should consider the question of approaching the Government, with a view to the modification of the present system.

Sunderland.—The annual meeting of the Sunderland Pharmaceutical Association was held last week. The Secretary's report, which was adopted, showed that practically the whole of the work during the year had been in connection with the Insurance Act. The following officers were elected: *President*, Mr. R. Anderson; *Vice-President*, Mr. W. McLaren; *Treasurer*, Mr. C. Hodgson; *Hon. Secretary*, Mr. E. R. Cherrett; *Council*, Messrs. A. H. M. Purse, W. Hudson, J. G. Harrison, T. D. Dalton, W. Nimmo, H. J. Turnbull, jun., and A. J. Kerrison. Various alterations of the rules, as recommended by the Council, were carried. The Treasurer's statement showed a deficit, and it was resolved that all members on the panel be asked to submit to a levy of one penny in the pound on their Insurance accounts for the first year.

Thames Valley.—A meeting of the Thames Valley Pharmacists' Association was held on October 28 at Thames Valley Café, Kingston-on-Thames. There was a good attendance of members. The Secretary announced that the following had been elected the officers of the Association for the ensuing year: *President*, Mr. C. J. G. Bunker (Twickenham); *Vice-Presidents*, Mr. F. Harvey (Surbiton) and Mr. C. Batty (Surbiton); *Treasurer*, Mr. Alfred Higgs, J.P. (Kingston); *Auditor*, Mr. C. J. Palmer (Twickenham); *Hon. Secretary*, Mr. W. H. Peake (Twickenham). Mr. Bunker proposed that a letter of sympathy be sent to the family of the late Mr. Charles Martin in their bereavement. Mr. Higgs said that he had known Mr. Martin perhaps longer than any member present, and he recalled the services of Mr. Martin in making the social events of the Association a success. The resolution was carried, all standing. It was also decided to send a wreath in the name of the Association. Mr. W. M. Tims (Cobham) moved a resolution that the Council of the Pharmaceutical Society be asked to determine upon a term of years during which a member shall pay the annual subscription, and then automatically become a life member. The mover put the term at twenty years. Mr. Higgs seconded, and the motion was supported by Messrs. Bunker, Harvey, and others, and carried. Mr. H. E. Clement (Hampton Hill) then moved a resolution urging the Executive to deal with the question of a fair profit on proprietary articles. A long discussion ensued, which was taken part in by Messrs. Bunker, Harvey, Hugo Wolff (Tottenham), Bray, Orry, Wellburn, Higgs, and others. It was finally decided to add to the resolution that the profit be "not less than 25 per cent.," and in this form the resolution was carried. The arrangements for the session were left in the hands of the Committee. Owing to the war no whist-drive will be held this side of Christmas, but a business-meeting was provisionally fixed for November 25. Mention was made that Mr. Booth had been called up for active service in the R.A.M.C., but had been taken ill while on service, and that Mr. W. E. Clarke, a member of the National Reserve, had been called up. Letters were directed to be sent to them wishing them a safe return. A long discussion afterwards took place regarding the new Insurance Tariff. Mr. Hugo Wolff explained the reason for the introduction of the stock-mixture clause, which is that the Commissioners regard it as a panacea for preventing deficits on the Drug Fund. The decision had also been arrived at that "aqua" does not mean aqua dest. unless it is incompatible with the other ingredients. Referring to the way the deficit on the Drug Fund has arisen in Middlesex, Mr. Clement mentioned a case where 88 grains of cocaine had been prescribed sixteen times at a cost to the Drug Fund of 3*l.* 1*s.* 9*d.*, and another case where one person received medicine costing 8*l.* in the first three months of this year. Mr. Tims pointed out that pharmacists cannot dictate to medical men what drugs they should prescribe. Mr. A. Higgs said he was dead against the stock-mixture proposal, as he considered it the thin end of the wedge to reduce dispensing-fees all round. Messrs. H. R. Procter, Harvey, Peake, Batty, and others spoke, and it was ultimately decided to abide by the decision of the Local Associations Executive.

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TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., October 29, 6.30 p.m.

BUYING still continues of a hand-to-mouth character, and the bulk of price alterations again shows a declining tendency due to increase in arrivals from the Continent. This applies to cream of tartar, citric and tartaric acids, lemon oil, etc. Salicylates, salol, and acetyl-salicylic acid are tending dearer owing to scarcity. Caffeine and salts have been advanced owing to the active demand. Phenacetin is unchanged, but the difficulty of obtaining supplies is increasing. Bismuth salicylate is 1*s.* 3*d.* higher and citrates 6*d.* lower. No drug-auctions were held this week, but buyers are easily able to fill their requirements privately at very reasonable prices in most instances. Cape aloes is plentiful and rather cheaper. Dragon's-blood has been sold at a higher figure, and gamboge continues easy. Sumatra benzoin, in the absence of arrivals, is dearer. Ipecacuanha is quiet after last week's activity; agar-agar is firmer, and belladonna-root cheaper. Ergot has been selling at easier rates for Spanish. Lime and lemon oils and lime-juice are also in buyers' favour. Menthol has been selling more freely, and is firmer on spot; opium is steady, a large quantity of Persian sold at auction on underwriters' account. Tinnevelly senna at auction was held above market value. The principal movements have been as under :

Higher	Firmer	Easier	Lower
Antimony (crude)	Acetyl-sal. acid	Cinnamon	Aloes (Cape)
Bismuth salicylate	Agar-agar	Citric acid	Belladonna-root
Caffeine and salts	Cottonseed oil (p.s.y.)	Ergot	Canary-seed
Dragon's-blood	Menthol (spot)	Lemon-juice	Castor oil (Eng.)
Isinglass	Pepper	Lemon oil	Citrates
		Lime oil	Cocaine
		Menthol (c.i.f.)	Cream of tartar
		Palm oil	Fenugreek-seed
		Tartaric acid	Petroleum
			Quicksilver

Cablegram.

NEW YORK.—Business in drugs is quiet, with the bulk of articles tending downwards. Opium is lower at $9.00 per lb.—a reduction of 25c. Peppermint oil in tins has eased 10c. to $1.50, and a further reduction of 5c. has been made in menthol to $2.65. Ipecacuanha is higher at $1.55 for Cartagena. Canada balsam is 25c. cheaper at $7.00 per Amer. gal. Belladonna-leaves are lower at $1.50 per lb. Mexican sarsaparilla at 12c. and jalap at 10c. per lb. are both easier.

London Markets.

ACETANILIDE is offered in limited quantities at 1*s.* 6*d.* per lb.

ACETYL-SALICYLIC ACID.—Price is tending firmer again, and from 6*s.* 6*d.* to 7*s.* is easily obtainable.

AGAR-AGAR.—Sales of No. 1 Japanese strip have been made at from 1*s.* 7½*d.* to 1*s.* 8*d.* per lb. on spot.

ALOES.—Good hard bright Cape is obtainable at the cheaper price of 33*s.* 6*d.* per cwt., with a very fair stock. Curaçao is reported to have been in better demand, with business at 52*s.* 6*d.* for ordinary livery; capey is offered at 51*s.* 6*d.* and fine pale liver 65*s.*

ANISEED is quoted 35*s.* to 40*s.* per cwt. for common to fair Russian, but there is very little demand.

ANTIMONY.—Crude for prompt delivery has advanced to 22*l.* 10*s.* per ton. English regulus is firm at 55*l.* to 57*l.*

ARSENIC is steady at 20*s.* in barrels and 21*s.* in kegs for best white Cornish powdered.

BALSAM TOLU.—The spot price remains at about 1*s.* 11*d.* for fair. America is above this parity.

BARBITONE is firm and unchanged at 30*s.* per lb.

BELLADONNA-ROOT.—A limited quantity is offered at the cheaper price of 145*s.* per cwt. on spot.

BENZOIC ACID ex toluol is quoted at from 4*s.* to 4*s.* 3*d.* per lb.

BISMUTH SALICYLATE has been advanced 1*s.* 3*d.* per lb. to 11*s.* 5½*d.*, and the physiologically pure to 13*s.* per lb. net cash. These are makers' list prices, the usual reductions being given on 1-cwt. and 2-cwt. lots.

BROMIDES are unchanged at the easier prices quoted last week. With the probability that imports from the United States will now fall off, there may be a revival in interest again shortly.

CAFFEINE SALTS.—Owing to the active demand from makers, the price of the pure crystals has been advanced by 2*s.* per lb. to 17*s.* Citrate has been advanced by 1*s.* to 12*s.* per lb. The above prices are net and for lots of 100 lb.

CANARY-SEED is again lower at 92*s.* 6*d* to 95*s.* per quarter for ordinary to good Morocco. Spanish is quoted 100*s.* per quarter for fair, and 105*s.* to 115*s.* for good to fine.

CAPSICUMS.—At auction 108 packages Bombay were bought in at from 33*s.* to 35*s.*, large stalky, partly perished.

CARAWAY-SEED is firm at 30*s.* per cwt. for good Dutch on the spot.

CASHEW-NUTS.—At auction 32 cases sold at 50*s.* per cwt.

CASTOR OIL.—Best French medicinal quality in limited quantity is offered at 37*s.* 6*d.* in barrels and 39*s.* 6*d.* to 41*s.* in cases net ex wharf London. English-make is 10*s.* per ton lower at 25*l.* for first pressing for prompt to December delivery, delivered free on wharf London. Finest medicinal quality is 50*s.* per ton over the price of firsts; and oil in tins and cases 50*s.* per ton over the respective price in barrels. Good seconds Calcutta in Liverpool is quoted at 4½*d.* per lb.

CHALK (PRECIPITATED) of white and light quality is offered at 12*s.* 6*d.* per cwt. in 2-cwt. bags.

CHAMOMILES.—No further arrivals have taken place. New-crop Belgian in very limited quantity offer at 160*s.* for fair white, and for old-crop brown a few offer at 100*s.*

CHILLIES.—At auction 40 bales fair Zanzibar were bought in at 90*s.*

CHLORAL HYDRATE remains unchanged at 6*s.* 6*d.* per lb. duty paid.

CINCHONA.—The next distribution of bark takes place at Amsterdam on Wednesday, November 4, when 15,940 bales, weighing 1,373,401 kilos., manufacturing will be brought forward. The quinine-content is equivalent to 83,771 kilos., and the average percentage is 6.09. It may be recalled that at the previous tender on September 30 the equivalent of 58,000 kilos. quinine offered, but only 15,200 kilos. was taken up by makers. At the Amsterdam auction to be held on Thursday, November 5, 1,507 packages pharmaceutical bark, weighing 81,476 kilos., and containing the equivalent of 2,264 kilos. quinine sulphate, will be offered. The offerings consist of 67,682 kilos. Succirubra, 11,084 kilos. Robusta, and 2,650 kilos. hybrid, of which 36,618 kilos. is root-bark.

CINNAMON.—At auction on Wednesday 100 bales unworked usual assortment were offered, but only five bales firsts were sold at 1*s.* 2*d.* per lb., there being no bids for the remainder.

CITRATES.—The makers have reduced their prices by 6*d.* per lb., quoting ferri et ammon. cit., potassium citrate, and sodium citrate at from 3*s.* 1*d.* to 3*s.* 2*d.* per lb., the lower price being for 28-lb. lots.

CITRIC ACID is easier on the week, offering at 3*s.* per lb. It is reported that the export embargo on citric and tartaric acids and cream of tartar is to be raised next week.

CLOVES.—At auction 20 bales Zanzibar offered, of which 10 had been sold privately, the remainder being bought in at 8¼*d.*; 50 bags Amboyna were bought in at 11*d.* Privately spot sales of Zanzibar have been made on a basis of 8*d.* for fair.

COCAINE is a weak market, and for the small demand there is keen competition; 7*s.* per oz. or a trifle less would buy hydrochloride.

COCA-LEAVES.—Further particulars of the auction to be held at Amsterdam on November 5 show that the 1,742 packages weigh 91,919 kilos., the total alkaloidal content being 1,375 kilos. and the average percentage 1.50.

Cocoa-butter.—At auction 100 cases Sandow were bought in at 1*s.* 2*d.* per lb.

Codeine is very firm at from 16*s.* 6*d.* to 17*s.* per oz. net for the pure crystals from makers.

Cod-liver Oil.—Our Bergen correspondent writes, on October 19, that there is a steady demand, and for the finest quality of non-congealing Lofoten oil 67*s.* per barrel f.o.b. Bergen is quoted. There are spot sellers of finest 1914 Lofoten quality at 70*s.* to 75*s.* net ex wharf London.

Coriander-seed is unchanged at 9*s.* per cwt. for wormy Morocco, and 11*s.* for good sound.

Cream of Tartar.—There are several offers of French powdered guaranteed 99 to 100 per cent. for prompt and early shipment at from 145*s.* to 147*s.* 6*d.* per cwt. net c.i.f. London, including war risk. Very fair arrivals have taken place this week. The spot price remains at 170*s.* per cwt.

Cumin-seed has been sold at 41*s.* to 43*s.* per cwt. for ordinary to good sifted Morocco, being steady. Malta is quoted 50*s.* per cwt.

Digitalis-leaves.—A limited quantity of good green is offered at 92*s.* 6*d.* per cwt. spot.

Dragon's-blood.—Small sales of fairly good lump have been made at 11*l.* 11*s.* per cwt., which is an advance of 20*s.* on previous prices.

Ergot.—Sales of fair sound Spanish have been made at 2*s.* 9*d.* to 3*s.* spot, with nothing now obtainable below 2*s.* 9*d.* Russian appears to be unobtainable.

Fenugreek-seed is selling at 8*s.* to 8*s.* 6*d.* per cwt. for Morocco on the spot, being lower.

Formaldehyde.—Prices in the United States are advancing, but on the spot it is difficult to sell at the moment, and this has induced some cutting among holders, who quote from 62*s.* 6*d.* to 65*s.* per cwt.

Gamboge.—Sellers of fair slightly blocky Siam pipe ask from 12*l.* 10*s.* to 12*l.* 15*s.*, with buyers at 12*l.*

Ginger.—Quiet; at auction 347 bags Cochin and Calicut offered, and 109 bags washed Cochin sold at 23*s.* 6*d.*; good bright Calicut rough was bought in at 26*s.*, and 46 barrels Jamaica at 40*s.* to 45*s.* for fair to good middling.

Hydroquinone remains unaltered at 10*s.* 6*d.* per lb., but there is still a difficulty in getting supplies.

Ipecacuanha.—Quiet after last week's activity, when at least 20 bales sold. Fair Matto Grosso is obtainable at 8*s.* 2*d.* per lb., Cartagena at 6*s.* 9*d.*, and Johore at 7*s.* 10*d.* Stocks of the drug are fair.

Juniper-berries.—The spot value of good Italian in small lots is about 20*s.* per cwt.

Lead Acetate is likely to be easier presently, when supplies are expected to come forward in larger quantity; ex wharf 37*l.* 10*s.* per ton is quoted.

Lemon Oil.—Prices in Sicily are again easier, forward shipment offering at 4*s.* 3*d.* per lb. c.i.f. Spot values are from 5*s.* to 5*s.* 3*d.* for finest brands.

Lime-juice.—Recent arrivals from the West Indies have led to an easier market, fair offering at 2*s.* 7*d.* per gal.

Linseed is firm at 47*s.* 6*d.* to 50*s.* per quarter for good clean qualities.

Liquorice-juice.—For genuine Italian in usual assorted size sticks 65*s.* to 66*s.* per cwt. net ex wharf London is quoted.

Menthol has been in more demand at between 9*s.* 9*d.* and 10*s.* 3*d.* per lb., both prices having been paid. To arrive business has been done in Suzuki for November-December shipment at 9*s.* c.i.f.

Morphine is steady at from 10*s.* 10*d.* to 11*s.* per oz. for hydrochloride powder, the lower price being for round quantities.

Oils (Fixed).—*Linseed* is easier at 20*s.* 6*d.* in pipes on spot, and at 20*s.* 9*d.* in barrels. *Rape* is unchanged at 32*s.* for ordinary brown crude naked on spot, and at 34*s.* 9*d.* for English refined in barrels. *Cottonseed* is quiet at 24*s.* 9*d.* for crude in pipes on spot, 23*s.* 6*d.* for pale refined in pipes, 29*s.* 6*d.* for sweet refined in barrels, and 29*s.* net ex wharf for American sweet p.s.y. *Soya* is 6*d.* easier at 25*s.* for Manchurian in London. *Lard oil* is quoted 40*s.* to 56*s.* 6*d.* *Seal*, 19*l.* to 27*l.* per ton. *Whale*, 19*l.* to 26*l.*; bright *Sperm*, 26*l.* to 29*l.*; and *Cod*, 19*l.* to 24*l.*, all per tun.

Olive Oil.—Pharmaceutical quality is offered at 4*s.* 6*d.* per gal. net c.i.f. London.

Opium is steady, with usual Turkey druggists' quality offering on the spot at 21*s.* and Persian at from 15*s.* to 20*s.* as to test. Of the latter description, 215 cases of damaged were offered by auction on Wednesday for account of whom it may concern, and all sold with the exception of about 40 cases. The bulk consisted of low-testing stuff, and was more or less badly sea-damaged and mouldy; gum testing from 6 to 8 per cent. morphine sold at from 7*s.* 6*d.* to 10*s.*, and 8½ to 9¾ per cent. at from 11*s.* to 15*s.* 3*d.* per lb. Some very low test sold subject to seller's approval at from 7*s.* to 9*s.* per lb.

Pepper.—At auction 19 bags Ceylon sold at from 5¾*d.* to 5⅞*d.* Privately 6*d.* has been paid for good fair Singapore on spot; Tellicherry is quoted 5⅞*d.* and Lampong 5⅜*d.* spot. At auction 26 bags fair Ceylon sold at 11¼*d.*, being dearer. Market privately is firmer, with spot buyers of fair white Singapore at 11*d.*, and sellers of fair Muntok ask 1*s.* (buyers 11¾*d.*); near at hand has been sold at 11¼*d.*, and September-October shipment at 9½*d.* c.i.f. d.w.

Peppermint Oil.—Best brands of American in tins are offered for prompt shipment at 7*s.* 3*d.* per lb. net ex wharf London, and rather lower to arrive. A small business has been done at this figure on the spot; H.G.H. is still 12*s.* 6*d.*, at which business has been done. Japanese dementholised is still offered at 3*s.* 9*d.*, being nominal.

Phenacetin.—Buyers would do well to cover their requirements, as all indications point to increasing difficulties in obtaining supplies from Switzerland and France; 6*s.* 6*d.* will buy limited quantities on the spot.

Phenazone is unchanged at from 10*s.* 6*d.* to 11*s.* per lb.

Phenolphthalein remains as before—viz., 8*s.* 6*d.* to 9*s.* per lb.

Potash Permanganate.—The quantity of genuinely imported direct from Germany before the war is now extremely small, but there is now plenty available which has been imported from Germany *via* neutral countries since the war. Buyers of the genuine would have to pay 165*s.*, but the spurious imports are obtainable at less.

Pyrogallic Acid is not considered as likely to advance further than the present price of 15*s.* per lb. in 1-oz. bottles for American make.

Quicksilver.—Small quantities offer for home consumption from second-hands at 10*l.* 5*s.* to 10*l.* 10*s.* per bottle. Leading importers do not quote.

Saccharin.—We notice an import of 35,242 oz. *via* Geneva on behalf of a consumer. The quotation for 550 strength is from 45*s.* to 50*s.* per lb.

Salicylates are becoming scarcer daily, and are likely to go dearer. Acid is quoted at 5*s.* and soda at 5*s.* 6*d.*

Salol.—Owing to the large requirements on the part of buyers, is likely to go dearer. At the moment prices are unchanged at 5*s.* per lb.

Sarsaparilla.—Sellers of grey Jamaica ask 2*s.* and Lima-Jamaica 1*s.* 8*d.* per lb.

Sassafras Oil.—Genuine American is offered at 2*s.* 8*d.* per lb. net on spot in cases.

Senna.—At an auction held on Wednesday 50 bales of Tinnevelly leaf and 25 bales pods offered. The leaf, which was all of fair small greenish quality, was bought in at 5*d.*, being held for 4½*d.*; the highest bid was 3*d.* The pods, which were of fair quality, were bought in at 2½*d.* per lb. An arrival of about 160 bales Tinnevelly is expected shortly.

Tartaric Acid.—For October-November shipment French make is offered at 1*s.* 6½*d.* per lb. c.i.f. London, and on the spot 1*s.* 8*d.* is quoted, being 1*d.* cheaper.

Turpentine closes at 32*s.* per cwt. for American on spot. French is 32*s.* 6*d.* to 32*s.* 9*d.*; ordinary and rectified Russian is unattainable.

Valerian.—Belgian is extremely scarce, and for the retail lots to be had extreme prices are asked.

Vanillin is unchanged at from 23*s.* to 24*s.* per lb.

Wax, Japanese.—Business has been done afloat at from 50*s.* to 48*s.* 9*d.* per cwt. c.i.f.

Manchester Chemical Market.

October 28.

At the close of the third month of the war there is ground for belief that the British chemical-trade is showing considerable activity in many directions. Bleaching-powder has been in brisk demand, and it has since been difficult to obtain delivery in quantity for export account. There has been little change on the month, and contracts extending over the next three years are stated to have been concluded on terms favourable to buyers. For prompt requirements the price is 8*l.* to 8*l.* 10*s.* per ton, but for contract account 3*l.* to 3*l.* 10*s.* per ton is about market value. Caustic soda was exceedingly steady, and, if anything, favoured sellers; ordinary quotations are 9*l.* 12*s.* 6*d.* to 8*l.* 7*s.* 6*d.* per ton on rails, according to strength. Caustic potash was cleared early on in the month. Chloride of calcium is quoted 2*l.* 10*s.* per ton. Sulphate of copper remains on the low side, and about 10*s.* lower at 20*l.* 17*s.* 6*d.* to 21*l.* per ton delivered Manchester. The Continental

supply of Epsom salts having been cut off has caused higher prices to rule; general quotations are 6*l.* to 7*l.* per ton in barrels. Borax is quoted 18*l.* 10*s.* per ton (wholesale). Yellow prussiate of potash is lower: 1*s.* 6½*d.* to 1*s.* 7*d.* Prussiate of soda is unchanged. Coal-tar products continue steady. Sulphate of ammonia is quoted in all departments about 10*s.* per ton higher on the month. Carbolic acid has ruled much higher, owing to the demand for war purposes.

The Week's Arrivals.

During the period October 22 to 28 inclusive the following drugs, chemicals, and allied produce have arrived at the principal English ports. Where not stated, the figures denote packages:

Acetic acid (Rotterdam) cks. 42, (Gothenburg) drms. 365
Acetone (Philadelphia) drms. 313, (Montreal) drms. 50
Acid, black (Copenhagen) (cks.) 23
Albumen (Havre) (cs.) 16
Alcohol (Philadelphia) (drms.) 115
Almonds (Morocco) pkgs. 813, (Spain) pkgs. 5,867 (Bari) 280
Aloes (Alexandria) (cs.) 26
Ammon. oxalate neutral (Sweden) ... ... (brls.) 12
Aniline-dyes (*see* Dyes)
Anise-oil star (Marseilles) 30
Antimony (Marseilles) (cs.) 100
Antimony ore (Marseilles) (bgs.) 1,038
Argol (Messina) bgs. 500, (Palermo) bgs. 500, (Patras) bgs. 150, (Spain) cks. 82, (Oporto) cks. 27
Barium carb. (Rotterdam) ... ... (bgs.) 50
Barium salts (Rotterdam) (pkgs.) 125
Boric acid (Leghorn) (brls.) 124
Calcium carbide (Skien) drms. 400, (Gothenburg) drms. 1,530
Canary-seed (Tangier) pkgs. 5,318, (Spain) 165, (Amsterdam) 224
Caramel liquid (Rotterdam) ... ... (cks.) 75
Carbon black (U.S.A.) (pkgs.) 1,666
Carbon tetrachloride (Marseilles) ... ... (cks.) 34
Cardamoms (Ceylon) cs. 14, (Bombay) 17
Casein (St. Nazaire) (bgs.) 15
Chemical products (Dunkirk) cks. 310, (Genoa) cks. 15, cs. 13, (Dunkirk) 188, (Bergen) cs. 487, (Dieppe) pkgs. 13, (Rotterdam) brls. 3, (Boston) brls. 17, kgs. 10, (New York) brls. 56
Cinchona (Paris) ... (cs.) 6
Citric acid (Marseilles) (cks.) 20
Cochineal (Las Palmas) 38
Coconut oil (Amsterdam) (cs.) 181
Cod-liver oil (Christiania) brls. 7, (Rotterdam) cs. 50, (Bergen) brls. 455
Coriander-seed (Morocco) pkgs. 3,057, (Marseilles) 250
Cotton-seed (Bombay) bgs. 947, (Alexandria) tons 1,724
Cream of tartar (Marseilles) cks. 190, (Patras) cks. 356, (Palermo) cks. 48, (Bordeaux) cks. 17
Creosote (Gothenburg) (cs.) 10
Cumin-seed (Morocco) pkgs. 502; *in tr.* 167
Cyanamide (Norway) cks. 100, bgs. 2,039
Dextrin (Amsterdam) (bgs.) 250
Drugs (Havre) cs. 36, (Dieppe) pkgs. 8
Dyes, aniline, colours, etc. (Genoa) pkgs. 2,220, (Rotterdam) 35
Egg-yolk (Havre) ... (cs.) 10
Essential oils (Marseilles) cs. 24, cks. 3, (Sicily) pkgs. 82, (New York) cs. 158
Farina (Calais) 25, (Holland) 3,762
Fenugreek-seed (Morocco) pkgs. 2,322, *in tr.* 2,550, (Marseilles) 45
Fig syrup (U.S.A.) (cs.) 1,800
Formaldehyde (Halmstad) (brls.) 11
Formic acid (Rotterdam) (blns.) 96
Gallic acid (Genoa) (cs.) 15
Gelatin (Genoa) cs. 99, (Rotterdam) 10
Ginger (Hong-Kong) (pkgs.) 3,857
Glucose (Rotterdam) cks. 25, (U.S.A.) 120
Glycerin (Buenos Ayres) (drms.) 86
"Gums" unenum. (Morocco) pkgs. 137, (Havre) bgs. 60, (Amsterdam) 534, (Marseilles) cs. 40
Gum acacia (Paris) (cs.) 5
Gum copal (Rotterdam) 50
Herbs (Kobe) ... (bls.) 50
Honey (Jamaica) cks. 101, cs. 10, (Chile) cs. 120, (New York) cs. 100
Juniper berries (Leghorn) (bgs.) 610
Kieselguhr (Berefjord) (bgs.) 4,137
Kola (Grenada) 12
Lead acetate (Rotterdam) (cks.) 32
Lemon oil (Palermo) (cs.) 2
Lime borate (Antofagasta) (bgs.) 3,190
Lime citrate (Montserrat) 93
Lime-juice (Jamaica) pns. 32, (Dominica) ppe. 1, pns. 4, hds. 7, cks. 12, (Montserrat) pns. 20, hds. 200, (Nevis) cks. 15, cs. 11, (New York) cks. 12
Lime oil (Dominica) (cs.) 4
Liniment (Philadelphia) (cs.) 504
Linseed (Saffi) pkgs. 2,878, (San Nicholas) bgs. 24,951, (Calcutta) bgs. 42,491
Linseed oil (Amsterdam) 64
Liquorice-paste (U.S.A.) (cs.) 60
Lithopone (Rotterdam) (cks.) 470
Mace (West Indies) ... 20
Madder (Rotterdam) (cks.) 3
Magnes. carb. (Copenhagen) pkgs. 161, (Amsterdam) 25
Magnes. chlor. (Rotterdam) ... ... (brls.) 161
Manna (Palermo) (cs.) 3
Medicines (Genoa) cs. 25, (U.S.A.) pkgs. 69, (Boston) cs. 22
Milk-sugar (Cherbourg) 10, (Amsterdam) 18
Mineral waters (Naples) cs. 8, (Marseilles) cs. 750, (Philadelphia) cs. 43
Nut oil (Rotterdam) drms. 286, (Bordeaux) cks. 34
Nutmegs (Grenada) ... 80
Olive oil (Leghorn) cs. 70, pps. 21, half-pps. 11, half-chests 75, brls. 2, cs. 57, (Nice) cs. 15, (Malaga) brls. 43, (Genoa) brls. 41, (Patras) brls. 180, (Bordeaux) cs. 47
Opium (Marseilles) cs. 13, *in tr.* 10
Orris (Leghorn) bgs. 8, cs. 7, (Saffi) 12
Oxalic acid (Sweden) ... 30
Pepper (Havre) ... (bgs.) 490
Perfumery (Paris) cs. 34, (Amsterdam) 17
Pimento (West Indies) 400, (Havre) 34
Potash carb. (Rotterdam) cks. 64, (Sweden) brls. 102, drms. 17
Potash caustic (Sweden) (drms.) 75
Potash metabisulphite (Marseilles) ... (cks.) 100
Potash permang. (Paris) 4
Potash prussiate (Paris) (cks.) 8
Potashes (Montreal) ... 6
Quebracho ext. (Buenos Ayres) ... ... (bgs.) 8,400
Quillaia (Talcahuano) (bls.) 42
Quinine hydrochlor. (Amsterdam) ... ... (cs.) 10
Quinine sulphate (Amsterdam) ... ... (cs.) 36
Rape-seed (Buenos Ayres) bgs. 1,841, (Shanghai) 1,280
Rape-seed oil (Kobe) (cs.) 1,675
Rhubarb (Marseilles) (cs.) 15
Rose-water, etc. (Marseilles) ... ... (pkgs.) 75
Rosewood oil (Havre) (drms.) 3
Rosin (U.S.A.) brls. 2,567, (Valencia) 54
Saffron (Valencia) (cs.) 1
Sandarac (Morocco) ... 47
Sarsaparilla (Jamaica) ... 2
Senega (Montreal) (bls.) 10
Senna (Alexandria) (bls.) 50
Shellac (Calcutta) ... 1,000
Sodium benzoate (Rotterdam) ... ... (cks.) 10
Sodium caustic (U.S.A.) drms. 60, (Montreal) drms. 75
Sodium hyposulphite (Rotterdam) drms. 27, (Philadelphia) kgs. 322, brls. 63
Sodium nitrate (Iquique) bgs. 5,568, (Taltal) bgs. 31,445
Sodium peroxide (Marseilles) ... ... (cs.) 5
Soya-bean oil (Kobe) (cs.) 8,000
Spices (Grenada) (pkgs.) 565
Squill (Palermo) (bgs.) 15
Styrax (Paris) ... (cs.) 20
Tartar (Bari) bgs. 201, (Bordeaux) 277
Tartaric acid (Leghorn) brls. 84, (Marseilles) cks. 4, (Bari) brls. 192, (Naples) brls. 44
Thorium salts (Philadelphia) ... ... (cs.) 18
Toilet preps. (Boston) (cs.) 129
Turpentine (U.S.A.) ... 320
Vanillin (Rotterdam) (cs.) 3
Verdigris (Bordeaux) cks. 19
Wax, bees' (Leghorn) bgs. 12, (Morocco) 134, *in tr.* 25, (Jamaica) 4, (Marseilles) 100, (Bombay) 14, (Dieppe) 5
Wax, paraffin (U.S.A.) ... 596
Wax, vegetable (Kobe) ... 350
Wine lees (Patras) (bgs.) 300
Zinc oxide (Rotterdam) cks. 135, (New York) 100

Indian Indigo.

The total stoppage of export of synthetic indigo from Germany to India has already given a strong stimulus to the Calcutta indigo market, and prices for the natural product have shown a very considerable advance since the war. It is pointed out that the continued exclusion of the German product from the British Possessions would, in the course of two or three years, result in the restoration of the Indian industry, which has steadily dwindled since 1895, when 187,337 cwt. was exported from Behar, as compared with 19,155 cwt. in the season 1911-12. At present the strong demand in the Indian market is from Great Britain. It is somewhat remarkable that the value of the total imports of natural indigo into England fell from 686,000*l.* in 1898 to 542,000*l.* in 1900. In 1908 the value of the imports of natural indigo was only 136,882*l.*, while that of the synthetic product was 134,052*l.* Our imports of natural in 1913 were only 15,274*l.*, and in that year India imported synthetic indigo to the value of 59,892*l.*, or 6,063 cwt. If the present strong demand is maintained it is expected that planters will during the coming season considerably extend their plantations.

Borax.

The U.S. Geological Survey have issued a monograph on the "Production of Borax in 1913," which reviews the conditions of the industry, in the course of which it is stated that the production of crude borate materials in the United States last year was 58,051 short tons, valued at $1,491,530, as compared with 42,315 tons, valued at $1,127,813, in 1912, an increase of 37.19 per cent. in quantity. All the borax in the U.S.A. continues to be produced from ores derived from California, mainly from a few mines in Inyo and Los Angeles counties. During 1913 the Russell Borate Co., in Ventura County, ceased operations, and the mine was sold to a San Francisco firm, operations as conducted having been unprofitable. In the same county the National Borax Co. also closed its mine and plant, and the property reverted to the United States Borate Co. through failure to meet payments. Since the close of 1913 the extensive holdings of F. M. Smith in the Pacific Coast Borax Co. have been sold to the Borax Consolidated, Ltd., the transaction involving the payment of about $4,000,000. Of boric acid the United States imported 423,215 lb. in 1913, as compared with 232,545 lb. in 1912.

Correspondence

Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Insurance Dispensing Disagreement.

For a selection of letters on this subject see pp. 42-43.

Insurance Dispensing Accounts.

Sir,—We have it on good authority that when Disraeli was created Chancellor of the Exchequer, on receiving some statistics worked out to decimal points, he asked his secretary for an explanation of them, volunteering at the same time the statement that "he could never understand these damned dots." In a similar manner the arithmetical work involved in making up the Insurance account is anathema to many present-day pharmacists. One local pill-puncher, a very clever and smart business man, told me recently that he could add up his account ten times and get ten different answers. Another uses his cash-register to "tot" up his summations. He empties the cash-drawers (an easy task, he assures me, at present), and gaily spanks the keys to the tune of the different amounts, thus getting some physical exercise along with the total. In Glasgow the new method of keeping the account has been a bugbear to many when the totalling comes along. There are so many petty little multiplications to do, perhaps 10 at ½*d*. [acid. boracic. 3j.; sig. 3j. to be dissolved, etc. Ye gods, why don't more of us take the Major?], so many more at 1*d*., and so on up to 1*s*. The first month I worked them out to the bitter end in the old, old way. Take 71 at 5½*d*., for instance; I put down the 5½, multiplied it 71 times, then divided by 12, and so on *ad nauseam*. The next month I started trying short cuts, making such as the above 71 at 6*d*. and subtracting 71 halfpennies from the total. With the exception of easy fractions of 1*s*. this was not very satisfactory. Another idea struck me, and now I do them all simply by mental arithmetic without pencil and paper, except to put down the results. From our price-lists we can all tell how much an article costs which is listed at so much per dozen. Thus, 5*s*. 6*d*. a doz. means 5½*d*. each. Conversely, an article costing 5½*d*. will be 5*s*. 6*d*. a doz. I mentally divide the number into dozens to the nearest dozen or half-dozen. Thus, 71 at 5½*d*.=6 doz. less 1 at 5*s*. 6*d*. doz.; is 33*s*., less 5½*d*.; is 32*s*. 6½*d*. Sixty-seven at 9*d*.=5½ doz.+1 at 9*s*. doz.= 49*s*. 6*d*.+9*d*.=2*l*. 10*s*. 3*d*. With a little practice any combination can be worked out in a few seconds at a great saving of time and brain wear.

Green 'Un. (136/35.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Correcting Extravagant Prescribing.

"As there is likely to be a large deficit in cash for London Insurance dispensers, why should others not do as I have done? Call on doctors whose scripts I dispense most of, state the facts, and leave it to them; in my case with satisfactory results—less costly mixtures."—*A. P.* (140/4).

"*Qualified Labour.*"

"A friend of mine, who was one of many who replied to an advertisement in the Supplement a week or two ago, applied to a Metropolitan Labour Exchange, and requested the official engaged there to put him in touch with employment suitable to a person registered under the Pharmacy Act of 1868. The applicant is a single man; he is prepared to work in any capacity where the qualification of the Pharmaceutical Society is held to be of value, either by the military authorities or by any other official body. My friend was told that the Exchanges had nothing at all in his line; but that, if he cared to fill in a form, work might be found for him as an auxiliary postman, or sorter, or porter, during the rush season at Christmas at the Post Office. In view of the fact that so much talk has been indulged in relating to a supposed shortage of registered chemists (Bloomsbury Square brand), I beg to take leave to invite your subscribers to favour us by intimating, through your valuable correspondence columns, whether a similar glut of qualified labour is in existence in cities and towns outside London. The information would prove of decided value to employers and employed persons alike."—*Registered Chemist* (139/51).

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

Alpha (141/5).—Read the paragraphs "Companies" (p. 474) and "Pharmacy" (p. 475) in the *C. & D. Diary*.

Marcus (142/42).—The label exempts the tablets from stamp-duty if the declaration as to the formula is correct.

W. S. C. (136/7).—"Plant" means apparatus, utensils, machinery, and other similar installations used in manufactures.

Stockton (137/68).—Preparations containing more than 20 per cent. of chloroform are scheduled as poison, not those containing less.

G. G. W. (138/51).—Neither a beer nor a wine licence is necessary for the sale of "non-alcoholic" black beer and raisin-wine, provided it does not contain more than 2 per cent. of proof spirit.

Tarax (141/13).—A pint or two pints of benzine may be sold at one time without a licence, but not more than 3 gals. of all liquors coming under that description can be stored without a licence. See *C. & D. Diary*, p. 480.

T. A. H. (119/49).—Medicated Socks for Boots.—If these are sold with a declaration of the medicating agent—*i.e.*, "boracic socks"—they will not require a medicine-stamp when sold by chemists, even if recommended for ailments of the feet.

Pharmacist (139/1), acting as agent for the manufacturers, secured an order from a local farmer for a quantity of sheep-dip, which was delivered. The farmer used part of the dip, and three of the sheep which were treated died. The farmer cancelled the order for the dip and claimed damages from the manufacturers, who paid him the value of the sheep. Is "Pharmacist" entitled to damages from the manufacturers? [The manufacturers appear to admit the defectiveness of the dip, and, in our opinion, they are liable to pay "Pharmacist" in damages which would probably be assessed at the amount of his expenses and loss of commission relative to the transaction.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

C. C. C. (122/5).—You do not state your address, so that we must treat your inquiry as anonymous.

J. T. W. (278/9).—Aqueous tr. camph. co. is made by using in place of the spirit a mixture of acetic acid 2½ parts, glycerin 25, and distilled water a sufficiency to make 100 parts.

Wilts (117/50).—Scarlet-red Ointment.—The following is from "Pharmaceutical Formulas":

Scarlet red	5ij.
Castor oil	5iiss.
Paraffin ointment	3iiss.

Other recipes have been given in The Chemist and Druggist, the differences being chiefly in the basis employed.

D. J. T. (111/21).—Sewing-machine Oil.—The following recipes represent this class of lubricants:

1.		2.	
Almond oil ...	... 9 oz.	Sperm oil ...	... 2 oz.
Benzoline ...	... 3 oz.	Petroleum ...	... 1 oz.
Lavender oil ...	... 1 oz.	Essential oil of almonds	... 10 drops
Mix and filter.		Mix.	

G. A. P. (101/8).—Home Brewing.—It would be uneconomical to attempt to produce lager beer at home, especially as it is no longer allowable to brew beer unless an Excise licence is first obtained.

Barker (116/57).—Shampoo-powder for Dry Use.—See *C. & D.*, May 30, 1914, p. 72, or April 19, 1913, p. 66.

F. C. (127/9).—Metric System.—There are many books published on the metric system, and it is not our intention to add to the number. The relations between the imperial and the metric systems are given in the Pharmacopœia, and in the B.P. 1914 the table has been extended, and includes a list of equivalents such as is given in "The Art of Dispensing."

J. A. B. (108/13).—Coin-valuation is beyond the scope of this column.

W. E. M. (104/34).—Fruit-preserving.—The process to which you refer consists in dissolving salicylic acid ʒj. in water Oiij. by means of heat, and when cold the solution is poured over the fruit, already packed in jars, which are then tied over with parchment. The liquid is discarded when the fruit is required for use.

J. E. S. (123/41).—Kitten's Sore Eyes.—The kitten's eyes should be examined to see if there is inversion of the eyelashes, which may be the cause of the constant soreness of the eyelids. If there is anything abnormal, surgical treatment may be required. Should the trouble be ordinary ophthalmia, the boracic lotion you have tried should be replaced by either of the following lotions:

1.	2.
Hydrargyri perchlor. gr. v.	Argent. nitr. ... gr. v.-vj.
Aq. dest. ... ... ʒviij.	Aq. dest. ... ... ℥ij.
Apply a few drops to the eye three times daily.	Use as No. 1.

If an ointment is preferred, the following is suitable:

Ung. hydrarg. nitr. dil. .... ʒss.

Place a small piece of the ointment on the eyes and eyelids twice daily.

The symptoms and treatment of ophthalmia are given in "Veterinary Counter-practice" or The Chemist and Druggist, September 16, 1911, p. 55.

W. F. (12/10).—Bennett's "Medical and Pharmaceutical Latin for Students of Pharmacy and Medicine" (Churchill, 6*s.*) is the book to which you refer.

J. O. E. (137/39).—To promote the Growth of a Dog's Hair the first requisite is to keep the animal in thoroughly good condition by rational feeding, outdoor exercise, and the weekly bath. Long-haired dogs, and sometimes Skye terriers, are so much petted and so excessively fed that it is difficult to keep the hair from falling out. The dog should be well shampooed with a shampoo-liquid composed of soft soap ʒij., solution of ammonia ʒij., and methylated spirit ʒvj., with enough perfume. The dog is put in warm water and shampooed freely with this liquid, afterwards washing the animal well with warm and tepid on to cold water. When dry the coat should be brushed with a mixture of liquid paraffin 1 part and methylated spirit 3 parts, the brush being dipped lightly in this.

C. & Co. (137/22).—Drying-off Cows.—Internally large doses of alum or cream of tartar are administered, and externally the udder is rubbed with some preparation of belladonna, such as the following:

Ext. belladonnæ	ʒij.
Glycerini	ʒij.
Lin. saponis	ʒiij.

C. & S. (136/40).—Turpentine Substitutes.—See *C. & D.*, July 8, 1911, p. 68, where four typical formulæ are given.

G. S. (136/52).—Harmless Red Colours for the mouthpieces of toy balloons will be found in cochineal—or ammoniacal solution of carmine—and logwood. A few experiments should be made with these to decide as to the most suitable one to employ. The medium for the dye should also receive consideration; we suggest an alkaline solution of shellac.

Ajax (109/15).—Liquid Seed-dressing.—The tar-preparations involve the use of certain tar-distillates, which have been found effective. The makers, however, keep to themselves the source and specification of these distillates.

E. Q. (99/15).—The Manufacture of Aloin.—Tilden's process consists in dissolving 1 part of aloes in 10 parts of boiling water acidulated with hydrochloric acid, and allowing the solution to cool. The liquid is next decanted from resinous matter, evaporated to 2 parts, and set aside two weeks for crystals to form; the liquid portion is poured off, the crystals pressed, and the adherent resinous matter dissolved and separated by means of acetic ether. The yield is not so large as by Schäfer's process, which is as follows: Aloes 50 grams is dissolved in 300 c.c. of hot water and slightly acidulated with hydrochloric acid. The solution is allowed to stand so that the resins can separate, decanted, mixed with 50 c.c. of 20-per-cent. ammonia solution, followed by a solution of calcium chloride 15 grams in 30 c.c. of water. After shaking, the compound of calcium and aloin which forms is separated, collected, drained, and mixed in a mortar with slight excess of hydrochloric acid. The resulting mixture of calcium chloride and aloin is dissolved in the smallest possible quantity of boiling water, filtered, and the filter washed with a little boiling water. The filtrate is then allowed to crystallise at a low temperature by means of ice. A yield of from 15 to 30 per cent. is obtained, according to the kind of aloes employed.

Mouth-wash (122/42).—Mouth-wash Formula.—There is such a wide choice of formulæ for mouth-washes that it is not easy to arrive at one which will suit you as a "leading" line. The following are representative recipes:

1.		2.	
Powdered quillaia ...	500	Spirit	1,000
Glycerin	500	Formalin	50
Sodium salicylate ...	75	Myrrh infusion (1:50)	50
Spirit	300	Peppermint oil ...	3½
Distilled water ...	100	Anise oil	2
Shake for several days, then filter and add:		Cinnamon oil ...	15
		Rose-water	120
Bergamot oil ...	10	Rhatany infusion (1:10)	20
Clove oil	3	Menthol	1
Wintergreen oil ...	5	Cochineal ...	a sufficiency
Spirit	4,000		
Carmine solution a sufficiency			

M. & L. (120/44).—We do not publish a book on Percentage Solutions, but the matter is explained in the "Art of Dispensing," pp. 32 and 33. There are also articles on the subject in the *C. & D.*, March 16, 1901, p. 451; August 29, 1908, p. 338; and March 18, 1911, p. 56.

E. D. (26/9).—We cannot name the particular fly which you send. We suggest, however, that the means ordinarily employed for the fly-pest—*e.g.*, sticky fly-catchers, formalin, etc.—will be found effectual in ridding the house of the insects.

Canada (106/13).—Liquid Drawing-ink.—There are no formulæ available for the liquid inks used by artists. They are known, however, to be carbon inks prepared from the special form of carbon used in Indian ink. The "fixed" variety is made from Indian ink rubbed down with a solution of shellac in borax solution (lac 1 oz., borax ¼ oz., water 20 oz., boil till dissolved); while in the unfixed water with glycerin in small proportion is used. The chief problem to be faced is the preparation of a lamp-black of special fineness and freedom from tar-products.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," October 15, 1864.

Pepsine Wine.

Prepared from the gastric juice of the calf's stomach. The process for this preparation is founded upon the observations of Dr. Ellis and others, that good white wine forms an excellent menstruum for Pepsine. Instead, however, of digesting the calf's stomach in the wine, as recommended by Dr. Ellis, the pepsine is first eliminated, and then in the pure state dissolved in the menstruum. Thus prepared, it is agreeable, slightly acidulous [fluid], which retains its activity unimpaired, and a teaspoonful of which contains a dose of pepsine in a form that will be palatable to the most delicate stomach. This preparation is manufactured with the greatest care from perfectly fresh gastric juice. Sold in bottles, 3*s.*, 5*s.*, and 10*s.* each, and may be obtained through Chemists and Druggists, and Patent Medicine Vendors.

[Extracted from an advertisement by Morson & Son.]

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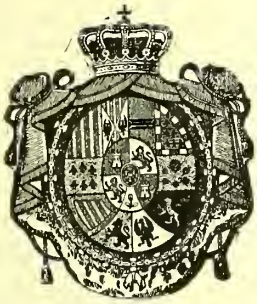
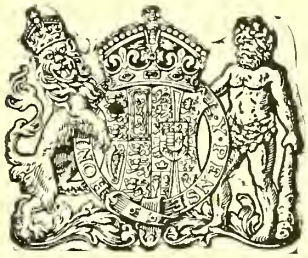
SOAP MAKERS
BY APPOINTMENT
TO
Their Majesties

QUEEN MARY.

THE LATE
KING EDWARD VII.



KING AND QUEEN
OF
SPAIN.



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AWARDED 22 PRIZE MEDALS.

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CHICAGO	232-4 Randolph Street.
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SYDNEY, New South Wales	50 Clarence Street.
ADELAIDE, South Australia	6 North Terrace.
BRISBANE, Queensland	Australasia Chambers, Queen St.
WELLINGTON, New Zealand	36 Jervois Quay.
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Price List and Showcards may be obtained from any of the above Depôts on Application.

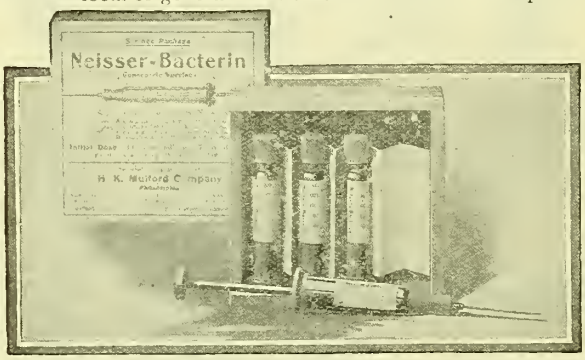
SEROBACTERINS

(Sensitised Bacterial Vaccines)

Serobacterins are standardised suspensions of bacteria "sensitised" by treatment with immune serum.

"Action sure, rapid, harmless, durable."—*A. Besredka.*

Advantages—1. Produce active immunity promptly. 2. Dose may be repeated at 24-hour intervals. 3. Rarely causes local or general reactions. 4. Do not cause opsonic nor clinical negative phase. 5. Produce durable immunity.



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Neisser Serobacterin Mixed	Gonorrheal and Mixed Infections.
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Pneumo-Serobacterin	Pneumonia, Empyema.
Staphylo-Serobacterin	Staphylococcic Infections.
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Strepto-Serobacterin	Streptococcic Infections.
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Supplied in the popular Mulford Aseptic Glass Syringes, ready for instant use. Complete Review of Serobacterins contained in Mulford Working Bulletin No. 18. Copy mailed free on request.

AWARDED THE GOLD MEDAL FOR BIOLOGICAL PRODUCTS
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H. K. MULFORD COMPANY, Manufacturing and Biological Chemists.

Distributing Agents for Great Britain, THOMAS CHRISTY & CO., Old Swan Lane, London, E.C.

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(ROBERTS).

Recognized by the Medical Profession as THE BEST TONIC.

IN 8 AND 16-OZ. BOTTLES OF ALL WHOLESALE HOUSES.

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Pharmaciens,

LONDON. 76 New Bond St., W. AND **PARIS.** Rue de la Paix, 5.

ROBERTS & CO.

INVITE INQUIRIES

For NEW & RARE

MEDICINES OF FOREIGN ORIGIN.

PRESCRIPTIONS DISPENSED FOR THE TRADE.

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BANDOENG, JAVA. AMSTERDAM.

QUININE & QUININE SALTS
SUGAR-COATED TABLETS

QUALITY AND COLOUR UNSURPASSED.

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Offices: Zurich—Hottingerstr. 21, Caecilienstr. 5.
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etc.

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etc.

Our Specialities: FERRESCASAN—A remarkable, tasty, blood-forming, appetising and nerve strengthening iron preparation. Marvelously efficacious in all kinds of debility.
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Swiss National Exhibition, Berne, 1914, Gold Medal.

DUTCH
Sugar of Milk.
"THE BEST"

HOLLANDSCHE MELKSUIKERFABRIEK
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READE BROTHERS & CO., Ltd.
(Successors to Mander, Weaver & Co.)
CHEMICAL & DRUG MERCHANTS,
WOLVERHAMPTON.
Established 1773. England.

Offer their services to Wholesale Druggists, Drysalters, Manufacturers and Merchants abroad in buying on Commission. Their old-established connection enables them to buy absolutely reliable qualities on the keenest terms.

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THE BEST. THE CHEAPEST.

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GOLD MEDAL, Cape Town International Exhibition, 1904-5.

"LIQ. SANTAL. FLAV. c. BUCHU ET CUBEBA"

(HEWLETT'S).

THE ORIGINAL PREPARATION

Many pharmacists have assured us that even when the name "**HEWLETT'S**" is not appended to the above title they invariably dispense HEWLETT'S preparation, as they know from experience that it is the best, that it keeps indefinitely, and universally gives satisfaction, whilst imitation preparations vary so considerably, not only from the **original** but from each other, that patients notice the difference, and complain.

Price **11s.** per lb., packed, for dispensing only, in 10, 22, 40, and 90 oz. Bottles.

INTRODUCED AND PREPARED ONLY BY

C. J. HEWLETT & SON, Ltd., Wholesale and Export Druggists

35 TO 42 CHARLOTTE STREET, LONDON, E.C.

ESTABLISHED 1772.

HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity, by

Messrs. THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester,

And is sold in Bottles, authenticated by a Government Stamp bearing their name, Trade Mark, "Henry's Calcined Magnesia."

PRICE 4s. 6d. or 2s. 9d.

NEW YORK: Messrs. SCHIEFFELIN & CO., William Street. PARIS: Messrs. ROBERTS & CO., 5, Rue de la Paix.

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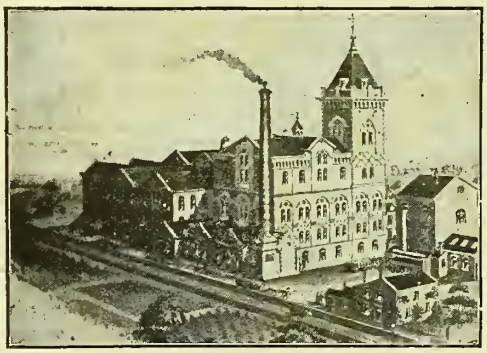
TRADE MARK.

JOHAN BUGGE & CO., BERGEN.

Finest Pure Medicinal . Lofoten Non-Congealing **COD LIVER OIL.**

Sole Agents for United Kingdom—SPARKS, WHITE & CO., LTD.

London—Albion Mills, Tenter St. East. **Manchester**—2 Royds St., Stockport Road. **Glasgow**—13 Sutherland St., Hillhead.



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"JOHN BULL"

MALT EXTRACT and MALT EXTRACT & COD LIVER OIL.

Our extensions being completed, all orders can be executed promptly.

Absolute Purity. High Diastasic Strength. Regularity.

"JOHN BULL" MALT EXTRACTS

Never Crystallise or Ferment.

PAINE & CO., Ltd., MALT EXTRACT WORKS, **ST. NEOTS, HUNTS.**

Manufacturers to the Wholesale and Export Trade.

An Open Letter to Pharmacists.

50-4 Beak Street,
Regent Street, London, W. September 1914.

Dear Sir,

Every Pharmacist will soon be thinking about winter supplies of Cod Liver Oil Emulsion. The chief points which he has to consider are QUALITY, STABILITY, PROFIT and RISK.

We respectfully invite your consideration of the following facts.

1. When the pharmacist manufactures and packs his own Emulsion, he has to bear all the loss if it deteriorates. He has to invest his capital in considerable stocks of the various ingredients, containers, labels, etc. etc. He has to create the demand for every bottle that he sells and the cost of any sampling or advertising comes out of his profits.

2. When he buys an emulsion ready packed with his own name, he avoids some of the worry and trouble but still has to sell all of it entirely "off his own bat," and still has to provide his own showcards, samples and advertising.

3. When he buys 33% Cod Liver Oil Emulsion (P., D. & Co.) his investment is limited to finished stock which is in constant demand—he has only to display the product on his counter and in his window; the showcards, samples and advertising matter are all provided for him. Further, our representatives are constantly detailing the qualities of this product to physicians with a view to its being specified on prescriptions. It is a product that an ethical physician *can* prescribe, since it is not advertised or held out as being a cure for consumption, or any other disease. Thus the demand is carefully created at our expense.

4. 33% COD LIVER OIL EMULSION WITH HYPOPHOSPHITES (P., D. & Co.) is prepared with the finest Norwegian Cod Liver Oil with Hypophosphites of Calcium and Sodium, and is true to label; it is manufactured and finished by special processes which ensure its stability, and the pharmacist is guaranteed against loss, even where the package becomes merely shop-soiled; if purchased on bonus terms, the profit it yields is unequalled by that on any other similar product; there is no risk whatever; it is prescribed by physicians throughout the country and the laity accept it as the standard emulsion.

A sample with details of selling plan will be gladly sent to any pharmacist upon request. Send a postcard now.

Very truly yours,

Parke, Davis & Co.

T.J. 10

"AGAR-LAC" THE NEW REMEDY FOR CONSTIPATION
Supplied in Bottles of 50 Tablets. Retail, 2s.
HUXLEY'S MENTHOL AND WINTERGREEN CREAM.
In Tubes 1/- and 2/6. Also "TUBELETTES" OF MENTHOL & WINTERGREEN CREAM.
AGENTS: THE ANGLO-AMERICAN PHARMACEUTICAL CO., LTD., Galen Works, Dingwall Road, Croydon (London).

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MAGNESIA
PATESIA TRADE MARK
CARBONATE, CALCINED AND FLUID.
THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.
London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C.

25 per cent. Protected Profit on the following
EXTENSIVELY ADVERTISED
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HIPPOSARCINE ROY (Extract of Meat).
LACTEOL du Dr. BOUCARD (Lactic Ferment).
IODEOL-Electro Colloidal Iodine-IODARGOL.
FUMIGATOR GONIN.
Lactéol du Dr BOUCARD Comprimés de ferment lactique
ENTERITIS
Obtainable through any Wholesaler, or direct from
M. BRÉSILLON & CO., Gamage Buildings, LONDON, E.C. (Sole Agents for U.K., Colonies & Dominions)

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PILLS = TABLETS = CAPSULES
Made by the Specialists. Large or Small Quantities.
OUR GOODS ARE KNOWN ALL OVER THE WORLD.
HOWARD LLOYD & CO., LTD., LEICESTER.
Write for Quotations and Samples. Private Formulæ a Speciality.

GALENICALS
FROM CHEMICALLY AND PHYSIOLOGICALLY TESTED DRUGS.
Willows, Francis, Butler & Thompson, Ltd.,
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EVANS' Laboratories—the most extensive in the trade

EVANS' Coated and Uncoated Pills.
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EVANS' Essential Oils and Soluble Essences.
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"GRAND PRIX," St. Louis Exhibition, 1904.

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PROTECTED PROFIT. QUICK SALES—NO BAD STOCK. REPEAT ORDERS AND SATISFIED CUSTOMERS

Never was SCOTT'S Emulsion more widely advertised than at the present moment. The opportunity, to secure a fair share of the season's demand for this preparation, is one that few enterprising pharmacists can afford to neglect.

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Why it pays to sell SCOTT'S.

SCOTT'S Emulsion reflects credit on the seller and gives satisfaction to the buyer.

It bears a good protected profit, yet is advertised all over the United Kingdom.

It is the only emulsion with a 37 years' reputation for value and quality.

It sells quickly on sight—involving little trouble and no losses.

It is one of the few advertised products, costly to manufacture, that yields fair remuneration to the retailer.

Therefore, to sell SCOTT'S not only pays, but encourages the principles of fair trade and good protected profits.

SPECIAL BONUS TERMS

are now offered to retail Chemists willing to maintain fixed selling prices and grant facilities (window displays, &c.) for advertising

MOTHER SEIGEL'S SYRUP.

Full particulars will be sent on application to

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35 FARRINGDON ROAD, LONDON, E.C.

GOOD! IT'S MASON'S

The Drink for the Masses

Millions of glasses used daily by workers all over the Empire

Please allow us to Sample and Quote—

Citrate Magnesia
Health Salt
Salines
Liver Salt
Blood Salt
Sulph. & Sarsap. Salt
Lemonade Crystals, &c.

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1844 **THOMAS TYRER & Co.** 1914

Sterling Brand

STRATFORD, LONDON, E.

GRAND PRIZE, LONDON, 1909.
GOLD MEDAL, ST. LOUIS, 1904.

Acids, Hydrochloric, Nitric, Phosphoric, Sulphuric,

PURE & TECHNICAL.

CHEMICALS FOR HORTICULTURAL AND AGRICULTURAL PURPOSES, &c.

Bismuths, Mercurials, Hypophosphites, Ethers

and all Technical & Special Chemicals.

OUR SOL. 'MAGNESIA BICARB.' CONTAINS NO ARSENIC

OUR REPUTATION **YOUR** GUARANTEE

Solyptol Soap

A high-grade Toilet Soap of marked Antiseptic properties.
Non-irritating.
Agreeably perfumed.
Lathers in hard water.
Assists the complexion.
Heals cuts & abrasions.
Invaluable in the Nursery.

TOILET SOAP, 9d. SHAVING SOAP, 9d.

A READY SELLER WITH GOOD PROFIT.

Chemists should write for terms.

F. H. FAULDING & CO., 54 Ct. Tower St., London, E.C. Adelaide, Perth, Sydney, Australia.

Stocked by all Patent Medicine Vendors.

Are You Preparing for Christmas . . . ?

SEASONABLE ADVERTISING NOVELTIES FREE.

Home Retailers of **Beecham's Pills** desirous of obtaining a supply of **Beecham's Family Almanacks** (book containing much useful information), **Card Calendars,** printed in colours, **Beecham's Oracles,** and other Advertising Novelties, are requested to notify their requirements direct to the Proprietor.

Counter Bills (various sizes) with name and address at foot, can also be procured, but if you have applied for or received a parcel of Counter Bills recently kindly mention the fact when writing, so that the Almanacks, Calendars and Novelties can be dispatched at once, as parcels including Counter Bills cannot be sent under ten days. All Parcels Carriage Paid. Please send name and address in Print.

Address:—PROPRIETOR OF . . .

Beecham's Pills, St. Helens, Lancashire.

ATKINSON & BARKER'S ROYAL INFANTS' PRESERVATIVE

ON P.A.T.A. LIST.

Prices and Terms on application to R. BARKER & SON,
11 Russell Street, C.-on-M., MANCHESTER.

DOES NOT CONTAIN any SCHEDULED POISON.

LION OINTMENT AND PILLS.

TRADE MARK.

59 Gray's Inn Road,
London, W.C.

Proprietor: E. Burgess.

May 22, 1914.

Having joined the Manufacturers' Section of the P.A.T.A., my wholesale prices have been revised. Below are the prices which came into effect on May 1. I trust that by trying to meet with the views of the Trade generally I shall also meet with your appreciation and support.

	Minimum Retail.	Per doz. net.		Minimum Retail.	Per doz. net.		Minimum Retail.	Per each net.
½ oz. (7½d. size)	–/6½	5/3	3 oz. (2/9 size)	2/6	24/-	16 oz. (11/- size)	10/-	8/-
1 oz. (1/1½d. size)	1/-	10/-	6 oz. (4/6 size)	4/-	38/6	36 oz. (22/- size)	18/6	14/10

Carriage Paid on orders over £2.

The new PURE LIQUORICE Juice

APOLLO

Made by the largest Liquorice Manufacturers in the World. Is the concentrated extract of the richest root Contains no added substance whatever. It is very soluble, smooth to the tongue, and entirely free from grit. It is made where the root grows, under supervision of English staff. Is not a sweetmeat but a high-class Pharmaceutical article.

"APOLLO" IS VERY HIGH IN GLYCYRRHIZIN.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

ABSORBENT LINTS BANDAGES, COTTON WOOLS, GAUZE, &c. &c.

Tel. Add.: "LINT PRESTON."
Tel. No.: 323 PRESTON.

WHOLESALE ONLY.

A B C Code, 5th Edition.

Goods supplied in various qualities. Apply for samples and prices.

VERNON & CO., LTD., Penwortham Mills, **PRESTON.**

Agent: T. J. SANDERSON, 9 Fore Street Avenue, London, E.C. Tel. No 288 London Wall

INDEX and BUYERS' GUIDE

See pages 5 to 7.

ALL CHEMISTS SHOULD STOCK **ABDINE**

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Millions sold annually.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in 1d. Packets, and Boxes of 13 Packets at 1/-

Order through your Wholesale Drug House.

D. M'GLASHAN, M.P.S., 12 West End Place, EDINBURGH.

Wholesale Prices on Application.

A return of 50% to 65% on outlay can be made by all Chemists who will handle 'HOME' BATH CABINETS.

BRITISH-MADE THROUGHOUT.

To give you a fair start, we offer a Sample Cabinet complete, and a supply of strong selling literature at the following *cut prices, Cash with Order.*

With Inside Spirit Heater 23/4; Retailing at 35/-
" Outside " " 32/- " 45/-

Riley Bros. (1914) Ltd. Bradford

THE ONLY MAKERS TO THE TRADE.

SAPONINE

(SOLUBLE),

MANUFACTURED BY

C. W. FIELD, LTD.,

Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.

From "THE ANTI-CUTTING RECORD."

¶ "It is now nearly 11 years since the movement which resulted in the formation of the P.A.T.A. was inaugurated. Amongst the first of the fighters for protected profits was Mr. Davenport, the proprietor of **COLLIS BROWNE'S CHLORODYNE.** At a time when the Association had a few supporters and looked rather like being crushed by the opposition which it encountered, Mr. Davenport's assistance came very opportunely, and dealers in Chlorodyne might well bear this fact in mind when selecting a brand to sell to their customers. We think that those who helped to lay the foundation of the P.A.T.A. are entitled to special consideration at the hands of those whom the Association has so much benefited. It should always be remembered that the pioneers ran much heavier risks than those who have come in on the flood-tide after the success of the movement was assured, although of course we are in no sense despising or underrating the importance of more recent converts to the Association, and do not for a moment suggest that they should not be supported. All those proprietors who have stood by the P.A.T.A. through thick and thin ought to be put in an exceptional position in comparison with those who have never done a thing for the trade. If chemists *must* substitute (and it really seems as if some of them can hardly restrain their propensities), surely they might confine their operations to the goods of those makers whose motto is 'Self, and self alone.' We think no fair-minded retailer will, after full reflection seriously blame the P.A.T.A. Council for insisting that substitution must cease when the proprietor loyally does his part."

Purchasers must NOT be asked to sign a Poison Book.

Dr. J. Collis Browne's
Chlorodyne

The ORIGINAL and ONLY GENUINE.

"The original Chlorodyne as manufactured from the recipe of Dr. J. Collis Browne is perhaps in greater demand now than it has ever been before. It has been on the P.A.T.A. List since 1897, as readers are no doubt aware. J. T. DAVENPORT, Ltd., 117 Union Street, S.E., have been the sole manufacturers of this article for upwards of forty years."

Pharmaceutical Journal, October 22, 1904.

PRICES AND TERMS.

Size	1/1½	2/9	4/6	11/-
Minimum Retail Price	1/-	2/6	4/-	10/-
Price to Trade (per dozen)	10/-	26/-	42/-	104/-

Discount **5** per cent. on **£1** worth, **10** per cent. on **£5** worth. Packages charged **3d.** on **£2** parcels or under, and **1d.** for each extra **£1** worth, and are not returnable. Carriage forward. Terms: Cash with order. Most Wholesale Houses supply on equal terms.

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

Orris, English Ground, 1 cwt. @ 102/- cwt.; 7 lbs. @ 1/- lb.
Oss. Sepiæ Pulv., 1 cwt. @ 6d. lb.; 7 lbs. @ 7½d. lb.
Otto Rosæ, finest, 1 oz. @ 50/- oz.; No. 2, 1 oz. @ 30/- oz.
Oxymel Scillæ, B.P. 5 cwt. @ 34/6 cwt.; 1 cwt. @ 36/6 cwt.; *7 lbs. @ 7d. lb.

Papain, 1-80, 1 oz. @ 1/6 oz.
Paraffinum Durum, B.P., 2 cwt. @ 3d. lb.; 1 cwt. @ 3½d. lb.; 56 lbs. @ 3¾d. lb.; 7 lbs. @ 4¼d. lb.; Molle Flav., B.P., 3½ cwt. @ 21/- cwt.; 1 cwt. @ 32/- cwt.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 4¾d. lb.; Alb. B.P., 3½ cwt. @ 70/- cwt.; 28 lbs. @ 8½d. lb.
Paraldehyde, B.P., 7 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.
Pepsin, B.P., 1 lb. @ 12/6 lb.
Phenacetin, P.B., pulv., 7 lbs. @ 7/- lb.; 1 lb. @ 7/3 lb.
Phenazone, P.B., 7 lbs. @ 12/-; 1 lb. @ 12/6 lb.
Phenolphthalein, 7 lbs. @ 9/- lb.; 1 lb. @ 9/6 lb.
Pix. Burgund., Druggists', 1½ cwt. @ 26/6 cwt.; 7 lbs. @ 4¾d. lb.
Plumbi Acetas, Druggists', 1 cwt. @ 45/- cwt.; 7 lbs. @ 6½d. lb.; Powder, 1½d. lb. extra
Podophyll. Resina, P.B., 1 lb. @ 13/- lb.
Potassa Caustica Sticks, P.B., 6 1-lb. Bots. @ 2/6 lb.
Potas. Acetas. Gran. P.B., 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/6 lb.
Potas. Bicarb. Pulv., 1 cwt. @ 55/- cwt.; 7 lbs. @ 6½d. lb.
Potass. Brom. P.B., 28 lbs. @ 4/- lb.; 7 lbs. @ 4/3 lb.
Potass. Chlor. Pulv., 1 cwt. @ 8½d. lb.; 7 lbs. @ 9d. lb.
Potass. Cit., B.P., 7 lbs. @ 4/3 lb.
Potass. Cyanidum, 98%, 1 cwt. @ 1/6 lb.; 7 lbs. @ 1/8 lb.
Potass. Iod., P.B., 1 cwt. @ 13/- lb.; 14 lbs. @ 13/6 lb.; 3 lbs. @ 14/- lb.
Potass. Metabisulph., 7 lbs. @ 1/3 lb.
Potass. Permang., Cryst., 7 lbs. @ 1/7 lb.; large cryst., 7 lbs. @ 1/9 lb.
Potass. Prussias Flav., 7 lbs. @ 9d. lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 7d. lb.; c. Opio, B.P., 7 lbs. @ 1/9 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 44/- cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 4/- lb.
" Jalap Comp. P.B., 1 lb. @ 1/6 lb.
" Rhei Comp. P.B., 1 lb. @ 1/2 lb.

Quassia Chips, 1 cwt. @ 13/6 cwt.; 28 lbs. @ 2d. lb.
Quinine, Bisulph., 25 oz. @ 1/5 oz.; 10 oz. @ 1/6 oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ 2/4 oz.
Quinine Hydrobromas, B.P., 25 oz. @ 1/8½ oz.; 10 oz. @ 1/9½ oz.
Quinine Hydrochlor., B.P., 25 ozs. @ 1/8 oz.; 10 ozs. @ 1/9 oz.
Quininæ Sulph., B.P., 100 oz. @ 1/3 oz.; 25 oz. @ 1/4 oz.; 10 oz. @ 1/4½ oz.

Rad. Gentian, English Ground, 1 cwt. @ 52/6 cwt.; 7 lbs. @ 6½d. lb.
Rad. Glycyrrh. English Ground, 1 cwt. @ 33/- cwt.; 7 lbs. @ 4½d. lb.
Rad. Ipecac. Rio., 7 lbs. @ 9/3; 1 lb. @ 9/6.
Rad. Jalap, English Ground, 28 lbs. @ 1/3½ lb.; 7 lbs. @ 1/4½ lb.
Rad. Rhei., E.I. English Ground, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7½ lb.
Rad. Rhei. E.I. Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Resorcin, B.P., 7 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.

Saccharine, ·550 or ·500, 1 lb. @ 46/- lb.
Sacchar. Ust., 1 cwt. @ 26/6 cwt.; 10 lbs. @ 4½d. lb.
Saffron, Valentia, B.P., 7 lbs. @ 46/- lb.; 1 lb. @ 47/- lb.; 1 oz. @ 3/3 oz.
Sal. Acetos., 7 lbs. @ 9½d. lb.
Salicinum, B.P., 1 lb. @ 16/10 lb.
Salol, B.P., 1 lb. @ 5/- lb.
Sang. Draconis, pulv., English ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/0½ lb.
Santoninum, P.B., 8 oz. @ 175/- lb.
Sapo Cast. Alb., 10 cwt. @ 30/- cwt.; 2 cwt. @ 31/6 cwt.; 7 lbs @ 4½d.; pulv., 1 cwt. @ 85/- cwt.; 56 lbs. @ 83/- cwt.; 7 lbs. @ 10d. lb.; Animal pulv., 1 cwt. @ 70/- cwt.; 56 lbs. @ 72/- cwt.; 7 lbs. @ 9d. lb.
Scammony Resin, Pulv., B.P., 7 lbs. @ 4/- lb.; 1 lb. @ 4/5 lb.
Shellac (Orange), 1½ cwt. @ 68/- cwt.; 7 lbs. @ 8½d. lb.
Soda Caustica, 28 lb. tins @ 8½d. lb; 6 1-lb. bots. @ 10d. lb.
Soda Cit., B.P., 3 lbs. @ 4/6 lb.
Soda Sulphite, Recryst., 1 cwt. @ 17/6 cwt.; 7 lbs. @ 4d. lb.
Soda Sulphocarbolas, B.P., 7 lbs. @ 11d. lb.; 1 lb. @ 1/1 lb.
Sodii Bromid., P.B., 7 lbs. @ 3/9 lb.
Soda Hyposulphite, pea cryst., 1 cwt. @ 15/- cwt.
Sodii Salicyl. Pulv., 4 lbs. @ 5/6 lb.; phys. pur., 1 lb. @ 6/- lb.
*Spt. Æther Nit. P.B., 4½ lbs. @ 3/7½ lb.; 1 lb. @ 3/10½ lb.
* " Ammon. Aromat., P.B., 5 lbs. @ 2/11 lb.
* " Chloroform, P.B., 5 lbs @ 3/8 lb.
Strontiæ Bromid., 7 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
Strychnina Cryst. B.P. 4 oz. @ 2/4 oz.; Hydroch. and Sulphate, 2d. oz. less.
Sugar of Milk, P.B., 1 cwt. @ 85/- cwt.; 7 lbs. @ 10d. lb.
Sulphonal, P.B., 1 lb. @ 13/- lb.
*Syr. Aurant. P.B., 7 lbs. @ 10½d. lb.
* " Easton, B.P., 7 lbs. @ 1/2 lb.
* " Ferri Iodid. P.B., 7 lbs. @ 1/6 lb.
* " Ferri Phosph. Co., 7 lbs. @ 6½d. lb.
* " Hypophosph. Co. B.P.C., 7 lbs. @ 10½d. lb.
* " Pruni Virg. B.P., 8 lbs. @ 8½d. lb.
* " Rhamni, 7 lbs. @ 11d. lb.
* " Rhei, P.B., 7 lbs. @ 9d. lb.
* " Scillæ, P.B., 7 lbs. @ 6d. lb.
* " Sennæ, P.B., 7 lbs. @ 9½d. lb.
* " Tolut, P.B., 7 lbs. @ 8½d. lb.

Thymol, 1 lb. @ 28/6 lb.
Tinct. Aurantii Recens., B.P., 5 lbs. @ 3/6 lb.; bond, 8½d. Aquos, 10d. lb.
*Tinct. Belladon., B.P., 5 lbs. @ 3/3 lb.; bond, 6½d. Aquos, 1/2 lb.
*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/6 lb.; bond, 10d.
*Tinct. Camph. Comp. P.B., 5 lbs. @ 2/6 lb.; bond, 6½d. Aquos, 1/1 lb.
*Tinct. Cantharidis, P.B., 5 lbs. @ 3/11 lb.; bond, 6d. lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb. Aquos, 10d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/9 lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Chlorof. c. Morph., B.P. 1885, 5 lbs. @ 2/- lb.; bond, 1/6½ lb.
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/6 lb.; bond, 1/0½ lb. Aquos, 1/4 lb.
*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/1 lb. bond, 10d. lb. Aquos, 1/2 lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 2/9 lb.; bond 6½d. lb. Aquos, 1/- lb.
*Tinct. Gelsem. P.B., 5 lbs. @ 2/11 lb.; bond 6½d. lb. Aquos 1/3 lb.
*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d. lb. Aquos, 1/5 lb.
*Tinct. Iodi., B.P., 5 lbs. @ 4/6 lb.; bond, 1/9 lb.; decolor., 5 lbs. @ 4/10 lb.; bond, 1/6½
*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7¾d. lb. Aquos, 1/- lb.
*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond 9¾d. lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 3/- lb.; bond, 6d. lb. Aquos, 1/3 lb.
*Tinct. Opii. B.P., 5 lbs. @ 3/6 lb.; bond. 2/6 lb.
*Tinct. Opii Aquos, 5 lbs. @ 2/6 lb.
*Tinct. Quininæ Amm., B.P., 5 lbs. @ 2/10 lb.; bond, 1/0½ lb.
*Tinct. Rhei Co., B.P., 5 lbs. @ 2/6 lb.; bond, 10d. lb. Aquos, 1/- lb.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb. bond, 7½d. Aquos, 10d. lb.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/3 lb.; bond, 1/5½ lb. Aquos, 1/5½ lb.
*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb. bond, 8½d. lb.
*Tinct. Valerianæ, 5 lbs. @ 2/9 lb.; bond, 6d. lb. Aquos, 1/- lb.
*Tinct. Valerianæ Ammon., B.P., 5 lbs. @ 3/1 lb.; bond, 8½d. lb. Aquos, 1/2 lb.
*Tinct. Zingib., P.B. 5 lbs. @ 4/- lb. bond 6½d. lb.
*Tinct. Zingib. Fortior., 5 lbs. @ 4/3 lb. bond, 10½d. lb.
Treacle (Black), casks about 5½ gross @ 42/- per cask; 24 lbs. @ 2d. lb.
Turpentine (Best American). 1 gal. tins @ 3/10 each; Venice, Genuine, 9 lbs. @ 1/11 lb.

Ung. Acid. Boric, P.B. 28 lbs. @ 7d. lb. Flav. 28 lbs. @ 5½d. lb.
" Acid. Carbol., B.P., 28 lbs. @ 9d. lb. 7 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
" Gallæ, P.B. 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.
" Hydrargyri, B.P., 28 lbs. @ 2/- lb.; 7 lbs @ 2/2 lb.
" Hydrarg. Ammon., B.P., 28 lbs @ 1/- lb. 7 lbs. @ 1/3 lb.
" Hyd. Nit. Dil., 7 lbs. @ 10d. lb.
" Paraff. Alb. P.B., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.; Flav. 28 lbs. @ 6d. lb.; 7 lbs. @ 7½d. lb.
" Resinæ, P.B., 28 lbs. @ 1/- lb.; 7 lbs. 1/1 lb.
" Sulphuris, B.P., 28 lbs. @ 9d. lb.; 7 lbs @ 10d. lb.
" Zinci Oxid. Benz., B.P., 28 lbs. @ 9d. lb.

Wax, Japan, 2 cwt. @ 62/6 cwt.; 7 lbs. @ 8d. lb.

Zinci Oleat. Powder, B.P.C., 7 lbs @ 2/- lb.
Zinci Oxid., Whitest and Lightest, B.P., 1 cwt. @ 52/6 cwt.; 28 lbs. @ 6d. lb. 7 lbs. @ 7d. lb.
" Sulph., pure, 1 cwt. @ 18/- cwt.; 28 lbs. @ 2½d. lb.
" Sulphocarbolas, B.P., 7 lbs. @ 1/2 lb. 1 lb. @ 1/5 lb.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted

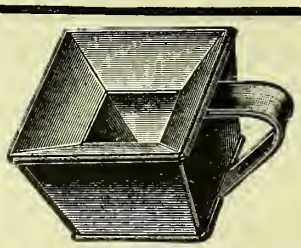
NOTE.—Only terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers Goods carriage forward; all packages free; Export cases extra.

ALLIANCE DRUG & CHEMICAL CO., LONDON.

Offices: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

JAPANNED STEEL AMBULANCE BOXES of every description
MANUFACTURED BY
TAYLOR, LAW & CO., Ltd.,
ANCHOR WORKS, BIRMINGHAM.



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Registered.
THE "TALA" CUSPIDORE, or SPITTING CUP, with fold-up Cardboard lining.

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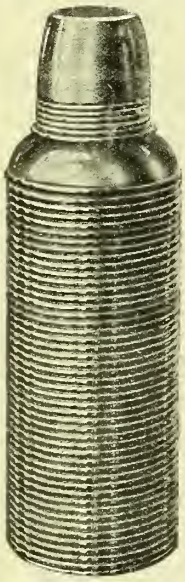

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Manufactured exclusively and entirely in the United States of America, and which retail from 8/9 upwards.

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INVITE INQUIRIES FROM THE WHOLESALE AND EXPORT TRADES FOR
FINE CHEMICALS AND SURGICAL DRESSINGS

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33/35 CHARTERHOUSE SQUARE,
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Ambulance Outfits

POCKET SETS, suitable for Boy Scouts, Cyclists, Motorists, etc., packed in neatly enamelled tin Boxes to retail at 1/- and 1/6 each.

JAPANNED TIN BOXES, suitable for Factories, Coal Mines, Emigrants, etc., to retail at 10/6 and upwards.

STRETCHERS at keenest prices.

HALL FORSTER & CO., Ltd.,
NEWCASTLE-ON-TYNE.

Please Try Our DISPENSING BOTTLES & PHIALS.

We send six gross assorted or otherwise, carriage paid, to any address in the United Kingdom. Smaller quantities not carriage paid.

REDUCED PRICES.

Clear Blue Tinted.—Good Quality.

3 & 4	6 & 8	12	16 ozs. Plain or graduated, round edges.
8/-	9/-	13/-	18/- per gross.

Clear Blue Tinted. Best Quality. QUININE.

3 & 4	6 & 8	12	16 ozs. Plain or graduated, round edges.
10/-	11/-	16/-	20/- per gross.

CHEAP BOTTLES for Dispensing.

3 & 4	6	8 ozs. Plain or graduated, round edges.
7/-	8/3	8/6 per gross.

WHITE PHIALS—GOOD QUALITY.

½	1	1½	2 ozs. Plain or teaspoons.
4/-	4/6	4/9	5/3 per gross.

I. ISAACS & CO.,
106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.,
or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.
Orders sent to either establishment have attention.
Established 100 Years.

INGRAM'S "Eclipse" TRADE MARK. REGD

HOT WATER BOTTLES

BRITISH MADE BY BRITISH LABOUR.

FITTED WITH INGRAM'S "AGRIPPA" STOPPER
GUARANTEED NOT TO SLIP OR LEAK.

GUARANTEE.

INGRAM'S "ECLIPSE" HOT WATER BOTTLES are personally examined and tested under strict supervision as to the Quality of Rubber, Workmanship, etc., and we assure our patrons that with careful use in any climate, and storage under favourable conditions, these high-grade quality, "Eclipse" Hot Water Bottles are warranted to give entire satisfaction, and will remain in a perfect state for a period of Two Years.

¶ Instances have been brought to our notice of these quality Bottles having remained in good condition for as long a period as Five Years.

The "ECLIPSE" HOT WATER BOTTLE is made in all sizes, and can be supplied with Jug or Loop Handle, and the "Agrippa" Stopper fitted to this Bottle is Guaranteed Not to Slip, therefore it becomes practically impossible for the Stopper to become loose, or the Bottle to leak in consequence

OBTAINABLE FROM ALL WHOLESALE HOUSES.

The "Eclipse" Hot Water Bottle is Embossed with the fac-simile Trade Mark as above, which is a Guarantee of Quality.

Manufacturers: J. G. INGRAM & SON,
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RENDELL'S

SOLUBLE QUININE PESSARIES.

THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in RED INK, are upon each box thus:

Registered Trade Mark, without which none are genuine. No. 182,688.

W. J. Rendell No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,
INVENTOR AND SOLE MAKER,
15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

GLASS BOTTLES OF EVERY DESCRIPTION FOR CHEMISTS, DRUGGISTS, PERFUMERS AND KINDRED TRADES.

PRICES ON APPLICATION.

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BEATSON, CLARK & CO., LTD.

ESTABLISHED 1751.

HIGH-CLASS DISPENSING BOTTLES, VIALS, POISONS, &c. GRAD. MEASURES, RECESS AND GOLD-LABELLED SHOP ROUNDS.

MEDICAL GLASS MANUFACTURERS,

ROTHERHAM, YORKS.

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ACCOUCHEMENT OUTFITS
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ESTABLISHED 1850

PERFECTUM FEEDING BOTTLES, BODY BELTS, HOT WATER BOTTLES & COVERS.

ARTHUR BERLINER, Manufacturer,
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GAUZE TISSUE (AS GAMGEE)
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As supplied to Home and Foreign Governments.

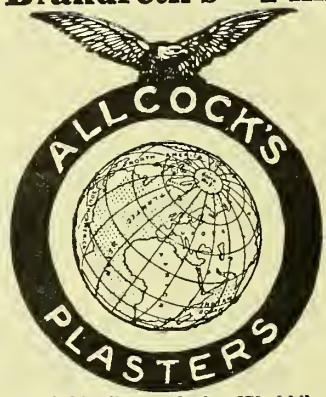
"IMPERMIETTE" (Waterproof).
"IMPERMIETTE" BED SHEETING.
"HEALTH" CHEST PROTECTORS.
"VULNOPLAST."

ABSORBENT TISSUE
FIRST FIELD DRESSINGS

Telegrams: "LINT LIVERPOOL"

The Original and only Genuine
Allcock's
POROUS **PLASTERS**
A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
} *The Three Reliables.*



A HANDSOME SHOWCARD will be sent free of cost and post paid on application.

ALLCOCK MANUFACTURING COMPANY
22 Hamilton Sq., Birkenhead.

"Sold all round the World."

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, OCTOBER 31, 1914.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E.—Cash Retail Business; all middle-class trading; good position; returns between £1,400 and £1,500; *profit above the average of Retail trade*; modern-fitted shop, with comfortable residence attached; price £625, or valuation terms if desired; ill-health cause of sale.

2.—LONDON, S.W. (Favourite Residential Locality).—Retail and Dispensing Business of good class; established many years; returns (present rate) £1,400 *plus* £80 and £100 from Drug contract; *gross profit* 45 *per cent.*; full investigation permitted; further details on application.

3.—LONDON, W. (Main Thoroughfare).—Retail and Dispensing Business; steadily increasing; returns now about £20 per week, at fair prices; price £450.

4.—ESSEX (Suburban).—Retail and Dispensing Business; established many years and held by vendor 20; returns (present rate) £700; *net profit* £232; comfortable residence; price £260.

5.—LONDON, N.W.—Retail and Dispensing Business; capable of considerable increase; returns £750 at good prices; well-appointed shop and premises; held on lease; to effect a speedy transfer the sum of £300 will be accepted; ill-health cause of sale.

6.—HOME COUNTY (within easy distance of Town).—Retail and Dispensing Business, chiefly ready-money; returns £600; *net profit* 33⅓ *per cent.*; rent £36; price £350; the district is rapidly growing and offers scope for extension of trade.

7.—SURREY (Main Line of Rail).—Retail and Dispensing Business; established upwards of 60 years; returns average about £540; *net profit* £170; terms, valuation, about £150 to £200.

8.—BRISTOL CHANNEL (Seaport).—Thoroughly sound Retail and Dispensing Business in busy main thoroughfare; returns £1,500 yearly; capital premises; to effect a speedy sale vendor will accept valuation of stock and fixtures.

9.—HOME COUNTY.—Retail and Dispensing Business; situate in a very good-class locality; returns (present rate) £1,200; modern shop, fully stocked; comfortable residence, with small garden; price about £600.

10.—DEVON (Good-class Watering-place).—Retail and Dispensing Business; returns between £750 and £800 at good prices; large residence; held on lease; price £500.

11.—WORCS.—General Retail and Agricultural; well situated; returns £500 at good prices; double-fronted shop, convenient house; rent moderate; price about £170; must be sold.

12.—HOME COUNTY.—Unopposed Business; established many years; returns between £750 and £800; *net profit* £310 (proof given); large residence, with good garden; rent £60, sublet £30; price £400.

13.—MANUFACTURING TOWN (North of England).—Good-class Retail and Dispensing, little N.H.I.; returns £1,300 at fair prices; large house and garden; price £900.

14.—SUFFOLK (Death Vacancy).—Old-established Business; much neglected; capable of considerable increase; returns average about £900 yearly; roomy premises, with outbuildings; rent £35; valuation of stock and fixtures only required.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,000 (nearly) returns.—LANCASHIRE.—Good sound General Retail, with plenty of scope to add Optical and Photo; nearest opposition nearly a mile away; rent £30; at valuation of stock and fixtures, about £425.

£500 (over).—LINCOLNSHIRE.—Branch Retail in small country town; could do very much more under personal attention; valuation about £200.

£1,000 returns.—YORK.—Good middle-class Retail, showing over £260 net profit; fine opening for N.H.I.; price £325.

£600 returns.—SURREY.—Good-class Light Retail and Dispensing; fine opening for Optics; valuation about £400.

£1,300 returns.—YORKS.—High-class Retail and Dispensing; good shop and house; net profit £300; at valuation of stock and fixtures, about £900.

£500 returns.—YORKS.—Middle working-class Retail; can be greatly increased; valuation of stock and fixtures, about £175.

£1,400 returns.—LANC.—Exceptionally fine position in desirable seaside resort; net profit £300; unlimited scope for Optical; price £900.

£800 returns.—SOUTH COAST.—Good-class Retail and Dispensing; net profit £250; death vacancy; valuation about £350.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Tel. No. Finchley 812.

Recommended by— BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.

All correspondence should be addressed as above:

And at 174 VICTORIA STREET, S.W. Tel. No. Victoria 27.

A Register of Businesses for Sale of every class and size in town and country at reasonable prices. Inquiries invited from Purchasers, notifying the kind of business desired, the locality preferred, and amount of capital it is desired to invest.

Buyers' Register. Vendors invited to apply for form to fill in with particulars of Business they desire to sell, which is treated with strict confidence.

No liability incurred unless a sale is made from my introduction.

The examination of Businesses for Sale or Purchase is made on specially low terms. Parson C. Baker has made a speciality of this, and his long experience in every class of business enables him to give valuable advice and assistance in negotiations.

Valuations are made on moderate terms for Sale, Probate, or Account purposes in any part of the United Kingdom.

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CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—HOME COUNTY (25 miles out).—Good-class Light Country Retail, in best position of pleasant market town; returns £1,200, increasing; net profit £350; large house and garden; stock and fixtures worth fully £650; price £800, or near offer; will stand fullest investigation.

2.—SURREY.—High-class Business in first-class residential district; now under manager; was doing £1,400, and can be made do £2,000; in excellent position; handsome modern front, and fully stocked; low rent; price £750, or £100 and valuation; personally inspected and recommended.

3.—HAMPSTEAD (near).—Good-class Retail and Dispensing Business for immediate Disposal, owing to serious illness of owner. Present returns under manager £10 to £12 a week; can easily do £20 in smart hands; splendid main road position; handsome pharmacy, well stocked; price £250 cash; exceptional offer; only requires seeing.

4.—CHESHIRE.—Good-class Dispensing and Light Retail; over 3,500 private scrips yearly; returns £1,000; net profit £300; Assistant kept; good residential locality; nice house, etc.; price £750.

5.—BIRMINGHAM.—Light Family Retail, Prescribing and Dispensing Business; returns over £1,300; clear net profit £400; low rent; lock-up shop, well fitted and heavily stocked; price £650, under valuation.

6.—LINCOLNSHIRE.—Good-class Retail, Dispensing, and Prescribing, with N.H.I.; returns £1,600; net profit about £600; low rent; busy market town; price £900.

7.—KENT (near Town).—High-class Retail and Dispensing Business, increasing; returns over £700; good profits; nice house and garden; main-road position; price £500, or offer; stock and fixtures worth £400 to £450.

8.—NORFOLK.—Old-established Retail and Agricultural Business, in good market town; same hands many years; neglected; returns over £800; net profit about £250; can easily do £1,200; price simply valuation, all over £400 can remain.

9.—SOUTH COAST.—Good-class Retail and Dispensing, with own Proprietaries; net profit £276; attractive shop, well fitted and stocked; large house and garden; same hands many years; price, simply valuation; part can remain.

10.—DEVON COAST.—Good-class Retail and Dispensing Business, increasing; returns nearly £800; good profits; large shop, modern fittings and good stock; price £500, little more than valuation.

11.—LONDON, N.W.—Sound middle-class Cash Retail Business; in good position; returns over £1,500; net profit nearly £500; books open to fullest investigation; own property; low rent; price £800.

12.—NORTH LONDON.—Very profitable Light Suburban Retail Business, in unique position; returns £800; net profit £300; books well kept; price £425, or offer; £200 can remain; strongly recommended.

CHEMISTS v. INCOME TAX.

Owing to the War, the Income Tax for some years to come will be much higher and a good many incomes are likely to be lower; but you will not be able to prove this to the satisfaction of the assessors unless you take stock. Now, more than at any time in the past, chemists should have their stocks taken Please apply for our pamphlet on stocktaking; our terms are so low that anyone with even a moderate size business can afford to have it done properly.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BIRMINGHAM (Main Road, Busy Quarter). — Old-established Chemist's and Panel Business; returns, including panel, over £700; net profit £150; stock, fixtures £190; lease six years; price £160 quick sale; part could remain; owner joined A.M.C. ordered abroad. Apply, "C.," 94 Regent Street, Smethwick.

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. H.," 113 Bridge Street, Bradford.

LANCASHIRE. — Country Business; colliery district; nearest opposition over one mile; returns £550, increasing; excellent profits; suit qualified or unqualified; valuation, about £140, or nearest offer; trial given if necessary. 21/6, Office of this Paper.

LANCASHIRE Town.—Genuine Light Mixed Retail Business; Wine and Spirit Licence; old-established; gross profit £700; price £700; every inspection allowed to bona-fide applicants. Apply, "Jury" (13/14), Office of this Paper.

LONDON, E.—Genuine little Business in busy working neighbourhood; no opposition whatever; fine opening for N.I.D., Dental, Clubs, etc., all untouched; smart, well-fitted shop; electric light; premises in thorough repair; rent, expenses, etc., under £1; personal reasons for selling; all at about £95. 24/029, Office of this Paper.

LONDON, N.E.—Old-established, profitable Cash Retail Business; in same hands many years; present turnover between £700 and £800; not on Panel, otherwise would be doing over £1,000; very good position; fully stocked; illness sole reason for selling; price for early sale £300; exceptional opportunity for smart man. "Otto" (24/14), Office of this Paper.

LONDON, N.W.—First-class Dispensing and Retail Business for Sale through illness of proprietor; price £250. 22/27, Office of this Paper.

LONDON, S.W.—Old-established Business; run on modern lines; splendidly fitted with electric light and gas; well stocked; long lease; open to reasonable offer for immediate purchase. Personal inspection invited after applying to "Selttart" (143/7), Office of this Paper.

MANCHESTER.—Well fitted and stocked Pharmacy on main road for Sale; low price for quick sale; vendor giving up business. "X.," c/o Quilliam & Co., Ltd., Chapel Street, Manchester.

NORTH KENT.—Snug little Pharmacy; returns over £1,200 without N.H.I. and other outside takings; well-fitted shop, ample stock; good position; all cash trade except N.H.I.; many good Proprietaries; business could be increased with personal attention; ill-health; accept valuation or reasonable offer. Full particulars on application, 22/2, Office of this Paper.

OXFORD STREET, W. (Two doors from).—Exceptional opportunity occurs of acquiring first-class West-End Retail Business at a low figure; increasing turnover and scope for smart Chemist. Full particulars from 24/24, Office of this Paper.

SOUTH WALES.—Good old Family Business for Sale; price about £600; turnover £800, has been £1,500; neglected; large house, bath room; corner position; any length lease can be had; three months' engagement to suitable purchaser to test the genuineness of the purchase. Apply, 19/22, Office of this Paper.

SUSSEX.—Unopposed Country Business for Sale; beautiful locality 20 miles from coast; lock-up shop; takings £800; full prices; profits unusual; very low rent; plenty of scope. 131/61, Office of this Paper.

YORKSHIRE City.—First-class Suburban Business; old-established; turnover £1,250 to £1,300 yearly; a bargain; investigation desired; price, valuation. 17/29, Office of this Paper.

CHEMIST and Drug Stores for immediate Sale owing to death; population 2,000; nearest Chemist 5 miles; exceptional chance for anyone with capital; will accept first reasonable cash offer; rent £18 and taxes. "Chemist," Rainham, Essex.

CHEMIST; just closed; established 30 years; handsome shop, convenient dwelling; good position; near Stratford Broadway; all fittings, fixtures, stock, etc., complete, ready for re-opening; rent £40; premium £50; an astounding bargain. Apply, Mr. Bacon (Landlord), 25 Liverpool Street, E.C.

CHEMIST'S, Stationers's, etc.; country town in the South of England; old-established business, showing good profit; £500 only; stock and fittings at valuation. Reply, 281/11, Office of this Paper.

CHEMIST'S Business in Elgin for Sale.—The desirable Chemist and Druggist's Business carried on by the late Archibald Richmond, at 176 High Street, Elgin, is for Sale by private bargain; this is an excellent opportunity of acquiring a good Dispensing business. For further particulars apply to E. D. Jameson & Young, Solicitors, Elgin, with whom offers should be lodged.

FOR Sale, cheap, very old-established Chemist's Business, in a main thoroughfare, York; good house and shop; on Panel; low rent; immediate possession; must be disposed of speedily; no offer, however low, but will receive consideration; apply first instance to Mr. Wood, 14 Longfield Terrace, Bootham, York, when all particulars and reasons for giving up business will be furnished; all stock, fittings, and exclusive recipes included to purchaser; there is also a full Wine Licence in connection with the business. 18/28, Office of this Paper.

FOR Sale, Drug Business; established 20 years; situated in thickly populated and growing neighbourhood; shop well stocked and fitted; rent £18 per annum; a splendid bargain; £70, part cash and balance by instalments, or good discount for cash. Apply, Hirst, 48 Newland Street West, Lincoln.

MEDICAL Herbalist, Surgical Appliance Dealer, etc., Bolton; established 25 years and very well known; corner premises, excellently fixtured and well stocked; valuable recipes; good living accommodation; household furniture optional. Full particulars from N. Yates, Chartered Accountant, Wood Street, Bolton, or Crompton & Son, Auctioneers, Fold Street, Bolton.

NEGLECTED Business for Disposal; an opportunity presents itself for an energetic man with moderate capital to acquire the above; returns last year £541; good position; low rent; well fitted and stocked; good reason for selling. "Bridge" (22/6), Office of this Paper.

BUSINESSES WANTED.

CHEMIST is prepared to purchase a good-class Dispensing Business, returning £1,000 to £1,200, in a residential suburb of large town preferred, where there is scope for development; or £5 bonus will be paid anyone recommending suitable opening (if acted upon). Fullest particulars of business and residence in first instance, in strict confidence, "Pharmacist" (22/38), Office of this Paper.

DRUG-STORE Business or neglected Branch wanted immediately; London Suburb; rent and price must be low, as only small concern required; lowest offer insures prompt purchase; give fullest particulars in first instance, which will be confidentially treated. Replies to "Statim" (22/36), Office of this Paper.

PHARMACIST, desiring to reside in London, would like to purchase Business in good locality having convenient house; small cash payment and balance in instalments; would negotiate with gentleman seeking retirement, as small balance over rent, etc., will satisfy. 24/17, Office of this Paper.

PHARMACIST requires Retail Business, London or Suburbs; net profit about £250; lock-up shop preferred in good business locality. Price and full particulars, in confidence, to "Observer" (24/035), Office of this Paper.

PHARMACIST desires to Purchase sound concern, showing net profit not less than £300 per annum; cash ready. All particulars, in confidence, to "Rhes" (25/6), Office of this Paper.

FOR SALE.

CASH Register.—Small National for Sale; recent model; adds total and prints amounts. Write "C. H.," 59 Ferndale Road, South Tottenham, N.

COMPLETE Set of Shopfittings, just removed from Branch shop, to clear £20. S. Matz, 341 Cheetham Hill Road, Manchester.

AGENCIES.

EGYPT.—Agency wanted by capable man, established connection amongst Physicians and Pharmacists, to introduce novelties in Medical and Pharmaceutical goods; 16 years' residence in country. J. MacGregor, 3 Rue Cléopatra, Alexandria, Egypt.

AGENT, with good connection among Chemists, Hospitals, and Doctors throughout Australia, is desirous of securing a good Drug Agency and other lines of interest to the trade. "Hydrogen," c/o The C.D.A., 71 Queen Street, London, E.C.

AGENTS wanted in Great Britain and Ireland among Chemists and others to sell a well-known penny winter preparation among Chemists and general shopkeepers. Apply, "A. B.," 54 St. John's Wood Road, London, N.W.

OLD-ESTABLISHED and respected Dutch firm, wishing to extend its trade, is now desirous to Represent prominent English houses in Drugs and Technical and Medical Chemicals and in well-advertised Specialities, in competition with German firms. Apply, 21/4, Office of this Paper.

APPRENTICESHIPS.

APPRENTICESHIP. — Well-educated (Matric.) young lady is desirous of being Apprenticed to good-class Chemist; West End, City, or S.S. preferred. 21/14, Office of this Paper.

APPRENTICESHIP required; S. London preferred. 143/15, Office of this Paper.

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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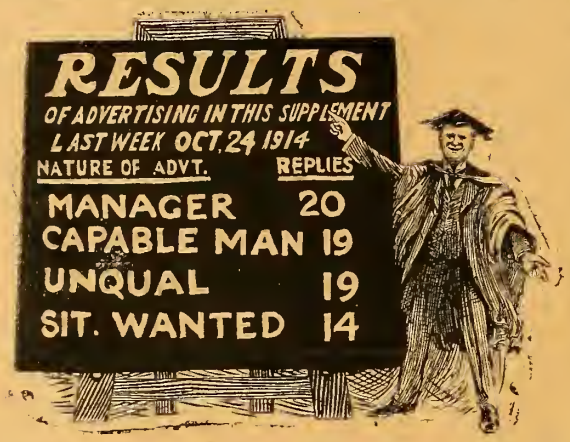
RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BIRMINGHAM.—Smart Junior for suburban district. State age, experience, and salary required, 15/29, Office of this Paper.

BOLTON.—An elderly qualified Assistant, desiring a permanency, for a small Branch, Insurance Dispensing and General Retail. Apply, Waller & Riley, Ltd., Chemists, Bradshawgate, Bolton.

BOURNEMOUTH.—Charles D. Cumber, Dispensing Chemist, Winton, Bournemouth, requires a gentlemanly Junior Assistant. State age, experience, and salary required (indoors), enclose photo (which will be returned), give references, and state when disengaged.

COVENTRY.—Junior Assistant wanted. State age, experience, salary required (outdoors), and when disengaged, Bird, Chemist, Spon Street, Coventry.

EASTBOURNE. — Improver wanted for high-class Dispensing business. State salary (outdoors), with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GLOUCESTER.—Wanted, an Assistant (22-24), outdoors, for all-round General work; one desiring a permanency and not afraid of work; must have good references. Send photo and full particulars to Broad, Chemist, Gloucester.

GODALMING.—Qualified Assistant, Junior; outdoors; duties chiefly Dispensing. Apply, Mather, Pharmacist, Godalming.

HALIFAX.—Required, smart Assistant; must be good Counterman and Window-dresser; one accustomed to Store business and having some knowledge of Photography preferred; outdoors; no duty. Apply, stating age, height, experience, and salary required, to Taylors (Northern), Ltd., 4 Crown Street.

HAMPSHIRE.—Wanted, unqualified Assistant, 21 to 24, for high-class Dispensing business in Hampshire Pine Forest district, near military camp; good-class experience and references required; comfortable indoor berth away from business premises; easy hours. Kindly state experience, age, salary required, with photo, Keeble, Chemist, Liss, Hants.

HAMPSTEAD (near Heath).—Vacancy occurs in good-class business for young, energetic Pharmacist as Assistant, with view to Managership, with progressive salary; married man to occupy house over Pharmacy desired; references must bear strict investigation. Apply, with fullest details of past experience, to 25/10, Office of this Paper.

HEYWOOD.—Junior Assistant wanted for Mixed Retail and Dispensing. State full particulars, salary required (permanent position for good man), to Jacques, Chemist, York Street, Heywood, Manchester.

HIGHGATE, N.—Qualified Manager wanted at once for good-class Dispensing business; indoors; good salary; proprietor abroad with Territorials. Apply, S. B. Bately, Pharmacist, 682 High Road, Tottenham.

LANCASHIRE.—Improver required for Mixed business; splendid chance for obtaining very useful experience. State age, salary required, and when at liberty, 20/390, Office of this Paper.

LIVERPOOL.—Assistant, not over 30, for good-class City business; must be good Dispenser and quick Counterman; no Sunday duty. Full particulars to "M.P.S.," c/o Messrs. Henry Jackson & Sons, Druggists' Sundriesmen, School Lane, Liverpool.

LONDON, N.—Assistant wanted, with a good general knowledge of the business, including Counter, Dispensing, and Window-dressing; also vacancy for a young man as Stockkeeper. Please state age, experience, references, salary required (outdoors), and when disengaged, or apply personally, to Bishop & Vincent, 460 Holloway Road, London, N.

LONDON, N.—Part-time Assistant required; equivalent to three days a week can be conveniently arranged for studying; must be well recommended and a quick and accurate Dispenser; an easy and comfortable berth. T. Byass-Jones, 331 West Green Road, Harringay, N.

LONDON, N.W.—Junior or Improver for good-class business; outdoors. Please apply, stating age, references, salary required, to Berry, Pharmacist, 96 Craven Park Road, Harlesden.

LONDON, S.W.—Wanted, an Assistant, with good knowledge of Dispensing; indoors. Please give full particulars of experience, height, salary required, etc., and if possible enclose photo, "Statim" (25/2), Office of this Paper.

LONDON, W.C.—Wanted, qualified Assistant, at once, accustomed to good-class Retail and Dispensing business; outdoors; personal application preferred. Burden & Co., Pharmacists, 41 Store Street, Bedford Square, W.C.

LONDON, W.C.—Unqualified Assistant; knowledge of French; must be smart Salesman and Dispenser, and of good address and appearance; good salary and commission to suitable man. Write, 25/14, Office of this Paper.

MANCHESTER.—Capable Assistant, single, or married man could have good house over shop, bath, etc.; healthy working-class district; hours 9 to 9, Saturdays 11; Sunday 2 hours' evening Dispensing; Wednesday half-holiday; personal interview necessary. Letters must contain fullest particulars, salary, etc., "B. P.," c/o Heath Bros., Blackfriars, Manchester.

NEAR London.—Junior, unqualified, required for high-class business; opportunity for capable young man gaining excellent experience; outdoors; permanency. State age and salary required, 20/039, Office of this Paper.

N. LONDON.—Manager wanted for good-class Retail and Dispensing business; knowledge of Prescribing and Photographics essential; must be smart and have undeniable references; unqualified assistant employed. Apply, with photo and particulars of age, whether married, and references, to Atkins 71 East Hill, Wandsworth, S.W.

PONTEFRACT.—Assistant wanted for quick General business, Dispensing and Counter; one used to making B.P. preparations, etc.; wages 30*s*., rising to 35*s*. Full particulars to A. Collins, The Rexall Chemist, Pontefract, Yorkshire.

ST. LEONARDS-ON-SEA.—Junior (outdoors) for Dispensing and General Retail business. State age and salary required, Neve & Co., Pharmaceutical Chemists, Silverhill, St. Leonards.

STOCKPORT.—Wanted at once, Junior (outdoors) for Mixed Retail and N.H.I. Dispensing. Particulars as to age, salary, and experience to Hervey Banks, Chemist, 59 Middle Hillgate, Stockport.

WOODHALL SPA.—Qualified Assistant, immediately, for sole charge, Light Retail; succession would be entertained. Photo and full particulars to Maynard, Horncastle.

A JUNIOR Assistant required for a Dispensing business near London; must have passed Prelim. In replying please send photo, and give full particulars as to age, height, experience, and salary required (outdoors), 23/3, Office of this Paper.

A QUALIFIED Assistant, from 22 to 26 years of age, for a Light Retail and Dispensing business in London; indoors, but sleep out, bedroom provided; Junior kept. In reply please state full particulars, 20/25, Office of this Paper.

AN unqualified Assistant (outdoors) required; well up in Dispensing and Counter. State full particulars if by letter, or apply personally, to F. J. Sandberg, 22 Regent's Parade, North Finchley, N.

ASSISTANT (20-25) wanted immediately; good references indispensable. Apply, giving full particulars and stating salary required, to Comer & Phillips, Chemists, Newsagents, and Stationers, Eye, Suffolk.

ASSISTANT wanted, about 24 (outdoors), for a good-class Dispensing and Family business. Apply, stating age, height, experience, and salary required, to Jeffrey & Son, Pharmacists, Pittville, Cheltenham.

ASSISTANT for good-class Dispensing business; indoors; easy hours. Apply, enclosing photo, W. T. Stephenson, Pharmacist, Sutton, Surrey.

ASSISTANT wanted at once; Dispensing experience necessary. State age, experience, and salary required. Apply, A. E. Grimwade, 81 Cornwall Road, W.

AT once, capable Junior; good Counterman, trustworthy Dispenser; Photography. Full particulars and salary desired (outdoors) to Wiggin, Chemist, Ipswich.

CAPABLE Junior wanted for good-class Country Retail; must have had good all-round experience; outdoors; hours moderate. Apply, giving full particulars and enclosing photo if possible, to Benjamin, Chemist, Ross-on-Wye.

DISPENSER.—Part-time man wanted to assist in Dispensing; very easy hours; suit Minor Student. Apply, giving particulars as to age, experience, salary required, etc., to Secretary, Friendly Societies' Medical Institute, Luton, Beds.

ELDERLY qualified Chemist required, mainly for N.H.I. Dispensing; comfortable and permanent berth. State age, salary required, 20/39, Office of this Paper.

JUNIOR Assistant, about 20, for Dispensing business. Give details of experience and salary required, and enclose photo (to be returned), T. O. Barlow, Palmerston Road, Southsea.

JUNIOR Assistant in high-class Retail and Dispensing business; no Panel work; unqualified; must be of gentlemanly appearance and address. Apply, with photo, stating height and wages required (outdoors), with references, McKinnell, Chemist, Northampton.

JUNIOR Assistant (outdoors) for Dispensing Counter; light hours; also a Dispenser for Doctor (time for study). Apply, stating terms, etc., Middleton & Co., Ltd., Chemists, Middlesbrough.

MANAGER (qualified) for Store Chemist in a Midland Manufacturing town; must be a smart, energetic, and reliable Dispenser and used to N.H.I. work; no Sunday duty. Replies must state salary required and where last engaged, 21/3, Office of this Paper.

MR. W. ADAMS, Pharmaceutical Chemist, Shrewsbury, requires an Assistant for the Dispensing Department. Apply, with full particulars, and stating salary required (indoors), and if possible enclose photograph.

PART-TIME; suitable for Students; duty principally evenings; indoors. Apply, 175 Uxbridge Road, London, W.

PART-TIME.—Assistant wanted for evening work. Apply by letter, giving full particulars of experience, qualification, time available, and salary required, to Harcombe Cuff, Ltd., 25 Friern Barnet Road, New Southgate, N.

QUALIFIED Assistant required at once; outdoors; not under 25; must be a good Dispenser. Apply, stating age, height, salary required, and photo, Charrington, Chemist, Lichfield, Staffs.

QUALIFIED man to take charge of neglected business for widow; 30*s*. weekly to commence and good, comfortable home to a gentleman wanting an easy berth. "Seaside" (21/28), Office of this Paper.

QUALIFIED Assistant required, of good appearance and address; preference given to young and energetic man; hours 8.30 to 7; Saturday 1 o'clock; no Sunday duty. Apply, with full particulars, to Burgons, Ltd., Ackers Street, Manchester.

QUALIFIED Assistant required in medium-class business; easy berth; also elderly qualified man, mainly to supervise during absence of principal; permanency; hours to suit applicant. Give full particulars as to age, salary required, etc., in confidence, to "Comfortable" (22/40), Office of this Paper.

QUALIFIED Manager, with first-class references and experience, in Store business, to take place of active partner in a new business started three weeks ago and already doing £9 a week and increasing; rent only £40 per annum, including all rates and taxes; must be willing to invest £100. Apply, "Alpha" (141/22), Office of this Paper.

QUALIFIED Assistant; good Salesman and Dispenser; sleep indoors. Apply, R. S. Starkie, 126 Strand, W.C.

RELIEF, one day weekly, preferably Tuesday or Wednesday, 10 to 4; work light, Dispensing and Counter. State terms (dinner and tea in), age, whether qualified, two recent references, "South Hampstead" (22/29), Office of this Paper.

THE NOTTINGHAM INSURANCE COMMITTEE require the services of a Clerk capable of checking Chemists' Accounts, Analysing Prescriptions, etc.; lady with Apothecaries' Hall certificate preferred. Apply, stating experience, etc., to the Clerk, 12 Victoria Street, Nottingham.

TWENTY-ONE miles from Town.—Gentlemanly Assistant, not necessarily qualified; must be a quick and accurate Dispenser; easy hours, 8.30 to 7, Saturday 9.30; alternate evening duty; high-class business. State salary required and all particulars in first letter, S. Browning Moss, West Byfleet, Surrey.

UNQUALIFIED (Birmingham Suburb).—Wanted, a reliable Assistant, at once, age about 30; permanency; married preferred; good Prescriber; obliging; middle-class trade; good references. Full particulars and wages required to 19/32, Office of this Paper.

UNQUALIFIED Assistant wanted in market town; Mixed business, Photo and part Wholesale; steady and reliable man, with part knowledge of travelling, will find this a permanent situation; short hours and half-holiday weekly. State salary and give full particulars to Hogg, Chemist, Ulverston, Lancs.

UNQUALIFIED Junior, age 19-20, indoors, for Light Retail and Dispensing business; time allowed for study. S. W. Dawson, 56 Knight's Hill, West Norwood, S.E.

WANTED, at once, qualified Assistant for good Dispensing business; sleep on premises; must be competent and reliable. Full particulars in application, please, Thomas, Saxby & Milne, Ltd., Cheltenham.

WANTED, qualified Manager; small Retail Drug and Dispensing business; hours open 52 per week. Address, giving full particulars and salary required, Box 103, G.P.O., Bradford.

YOU are wanted to Manage my London Drug Store; requirements—an unregistered, reliable man, honest, sober, and industrious; recent satisfactory reference essential; wages during war 28s.-30s.; increment when trade permits; no Dentistry, but if own tools could add and share profits; rooms on premises vacancy waiting; duties congenial. Prompt reply to 21/40, Office of this Paper.

WANTED, at once, a qualified Assistant; single; live out, or indoors if preferred; easy hours; close Thursdays 1 o'clock; Leicestershire. State age, height, salary required, 17/32, Office of this Paper.

WANTED, a qualified Assistant; outdoors; capable of taking charge. Apply to Arnold & Sons, King's Road, Southsea.

WANTED, at once, to replace recruit, Junior Assistant for good-class Dispensing and Family trade. Please send fullest particulars with age, height, salary required, and photo if possible, to Corfe & Son, Chemists, Maidstone.

WANTED, qualified Assistant; 24; no N.H.I. Dispensing or Sunday duty; easy hours, 9 to 7 p.m., Thursday 1 p.m.; state salary required (permanency) and references; outdoors. H. A. King, Ltd., 38 Exchange Street, Norwich.

WANTED, unqualified Assistant (outdoors) for Counter and N.H.I. Dispensing; medium-class business; moderate hours; good references essential. Apply, with full particulars, etc., stating salary and when at liberty, to W. H. Walker, Chemist, Willenhall, Staffs.

WANTED at once, gentlemanly Junior or Improver for high-class Dispensing and Retail; comfortable indoor berth. State salary to Wynne Tighe, Chemist, 3/4 High Street, Exeter.

WANTED, immediately, smart Junior; West-End experience. Apply Manager, Pharmacy Waldorf, Aldwych, W.C.

WANTED, immediately, Junior for Manchester district. Apply, giving experience, salary required, etc., and enclosing photo if possible, to "Statim," c/o Messrs. Woolley, Son & Co., Ltd., Victoria Bridge, Manchester.

WANTED, Junior Assistant; old-established business, General and Dispensing; no Sunday duty. State age, salary, and references. P. Jeyes & Co., Ltd., Chemists, Northampton.

WANTED, Junior Assistant for Light Retail; no Sunday duty. State age, experience, salary required, etc., to J. A. Moore, Chemist, Grimsby.

WANTED, qualified Manager for Branch; married preferred; Birmingham Suburb; good house; state salary required, photo (to be returned). Apply, 18/40, Office of this Paper.

WANTED, an Assistant; good all-round man; capable Extractor; middle-aged man not objected to if active. Give age, salary required, and references, "S.," 29 Miskin Road, Dartford.

WANTED, at once, an Assistant, age about 25, accustomed to good-class Dispensing business. State age and full particulars in first letter to Mallinson, Chemist, Withington, Manchester.

WANTED, immediately, reliable unqualified Assistant; outdoors; used to Dispensing and good-class Cash trade; London experience not essential. Reply, with full particulars as to age, height, salary required, and references, to Cave, Austin & Co., Ltd., 164 Rushey Green, Catford, S.E.

YOUNG unqualified Assistant wanted, end of November. Photo and all particulars to Herbert Smith, Chemist, Workington.

WHOLESALE.

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COMPRESSED Tablets.—Experienced Assistant required at once. State experience and wages required to "A. M. C.," c/o Burgoyne, Burbidges & Co., East Ham, E.

COUNTER hands, aged about 20, wanted for the Wet or Dry Floor of a London Wholesale house. State previous experience, age, and wages expected to 25/5, Office of this Paper.

COUNTERMAN (Improver), some experience in Wets and Drys, wanted by Manufacturing Chemists; age 17 to 21. Write, stating experience, wages required, references, etc., to 21/25, Office of this Paper.

INVOICE Clerk.—Wanted, by London Wholesale Druggists, an experienced man to take charge of Invoice Department. Apply, stating age, experience, and salary required, to "Beta" (141/50), Office of this Paper.

INVOICE Clerk wanted, with some knowledge of Export trade preferred. Apply, giving age, experience, and salary, to 24/34, Office of this Paper.

PACKER wanted; also Junior Assistant for Despatch Department. Baiss Bros. & Stevenson, Ltd., 175 Grange Road, Bermondsey, S.E.

VACANCY in an office (Wholesale) for young man with knowledge of Patents and Sundries. Apply by letter, stating age, previous experience, and salary required, to 19/6, Office of this Paper.

WANTED, young man, with some slight knowledge of Chemistry (not necessarily qualified) to assist in Manufacturing Department. Apply, stating age and full particulars of previous experience, to 21/1, Office of this Paper.

WET Counter hand, experienced, required by London Wholesale Druggists; also youth for Laboratory, used to Powders, etc. State age, experience, and wage required to "J. W." (143/3), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

CHEMIST, fully qualified, wanted at once for Straits Settlements; age 28 to 35; West-End experience preferred; four years' agreement; passage paid; salary £400 per year and commission. Write full particulars to Durant Radford & Co., Ltd., Billiter Buildings, London, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ABLE Chemist; 25; Manager or Assistant; abstainer; all-round experience; Dispensing, Counter, Photography and Optics. "Celeriter," c/o Clarke, M.P.S., 12 Richmond Road, Bayswater.

AN elderly qualified Chemist is open to an engagement; short hours; moderate salary; South London for choice. J. Pye, 33 Louisville Road, Balham.

AN unqualified (25), married, disengaged, wants permanency; no Dispensing; salary 35s. J. J. Smith, 1 Vanghan Road, Longhborongh, London, S.E.

AN engagement desired anywhere in United Kingdom; qualified; 26; thoroughly reliable; excellent testimonials. 143/13, Office of this Paper.

AS Branch Manager or Locum; qualified; married; good experience. "Statim," 144 Empress Avenue, Ilford, Essex.

ASSISTANT or Manager; 40; Optics, Photography. "Pharmacist," 5 Fielding Road, West Kensington.

ASSISTANT, Manager, or Locum; qualified; disengaged. "Chemicus," 116 Galloway Road, Shepherd's Bush.

ASSISTANT; 34; single; best experience; Dispensing and Counter. Nicholson, 11 Hadham Road, Bishop's Stortford, Herts.

ASSISTANT; 30; experienced, reliable; Counter, Dispensing. "Energetic," 54 Kinross Avenue, Plymouth.

ASSISTANT; 18; Dispensing, Counter, Photographic; London preferred. R. Dormor, Lambseth Street, Eye, Suffolk.

ASSISTANT, 23, unqualified, 5 ft. 8½ in.; desires berth; Norwich preferred; disengaged November 9. Pinching, 11 Royal Parade, Eastbourne.

ASSISTANT; unqualified; smart, resourceful Salesman; attractive Window-dresser; Photographics and Dispensing. 143/5, Office of this Paper.

BELGIAN Pharmacist from Antwerp desires situation at once in an English Pharmacy or Wholesale house in London. References and all particulars, "C. B.," c/o May, Roberts & Co., Clerkenwell Road, E.C.

BELGIAN Pharmacist, for many years in business in Bruges, desires situation at once in English Pharmacy; speaks English, French, and Flemish. Address, A. Peene, 142 Bethune Road, Stamford Hill, N.

BELGIAN Pharmacist (38) from Termonde would like employment in Pharmacy or Wholesale house as soon as possible. Address, Paul Roman, Shernbourne, Grove Park, Wanstead, N.E.

BOOKKEEPER, experienced, keeps accounts for Chemists; terms moderate. 24/37, Office of this Paper.

BRANCH Manager; qualified; 36; 5 ft. 10 in.; thoroughly experienced; Photography; married. 23/12, Office of this Paper.

BRANCH Manager, Locum, or temporary Assistant: qualified; middle-aged; disengaged. Write or wire, 143/2, Office of this Paper.

BRIGHTON District.—Part-time, Relief; Dental, Optical, Photo. Pharmacy experience. "Decem" (22/20), Office of this Paper.

COMPETENT, trustworthy Assistant; Locum or permanency; reliable references. Forster, 5 Coleridge Road, Finsbury Park, N.

DISENGAGED; unqualified; 27; married; excellent references. "D.," 171 Colonial Road, Saltley, Birmingham.

DISENGAGED; experienced; Assistant or Branch. "Pharmacist," 63 Manor Park Road, Harlesden, N.W.

DISENGAGED; Senior, Manager; Part-time, Locum; sound experience. "Aspirin," 64 High Street North, East Ham.

DISPENSER, experienced, seeks re-engagement, Doctor or Chemist; Birmingham neighbourhood preferred, not essential; excellent references; moderate salary. "Extractor," 323 Coventry Road, Birmingham.

DISPENSER or Assistant Manager; first-class experience. "Dispenser," 58 Malvern Road, West Kilburn.

DISPENSER or Assistant; unqualified; 27; tall; high-class experience; first-rate references; London preferred; disengaged. H. K. Stapleton, 6 Lincoln Road, Ponder's End, N.

DISPENSING; experienced; three evenings weekly; age 22. Roger, 22 Edgeley Road, Clapham

EVENING work required in South-West London by young qualified Pharmacist for three or four nights weekly. Hopkins, 4 Ferndale Road, Clapham.

EVENINGS only, for Stock. Apply, "R. S.," 43 Tavistock Crescent, Westbourne Park.

EVENINGS from about 6.30. "Pharmacist," 26 Grasmere Road, Muswell Hill.

EXPERIENCED Lady Dispenser requires position near Liverpool. 25 Cecil Road, Seaforth, Liverpool.

EXPERIENCED Manager; 36; permanency, temporary; disengaged; unregistered. "Chemicus," 12 Pentonville, Newport, Mon.

EXPERIENCED West-End Dispensing, Counter, Photographic; well recommended; 26; married; unqualified; disengaged October 31. "F. D.," 66 Abingdon Road, High Street, Kensington, W.

IMMEDIATELY. — Whole or part time; thoroughly capable worker; quick Counterman, Dispenser, and Window-dresser; highest references; unqualified. "E. W.," 538 Holloway Road, N.

IMPROVER; South Wales or West of England; indoors preferred; age 16½ years; about 1¼ year's experience. "Statim," Thornton, Chemist, Blaenavon, Mon.

JUNIOR (21) for good-class business; outdoors; highest reference. "F. A.," c/o Mr. Prince, Pharmaceutical Chemist, Longton, Staffs.

JUNIOR (18), three years' experience, seeks situation; Liverpool or North Wales district preferred. 19/20, Office of this Paper.

JUNIOR (21) requires situation; Photographic, Dispensing, and Counter experience. "C. W.," 3 Clayton Street, Skelmersdale.

JUNIOR Lady Dispenser; Hospital or Doctor; Hall qualification; London. 22/22, Office of this Paper.

LADY Pharmacist (Major), experienced, seeks post, Doctor's Surgery or Institution. 17/28, Office of this Paper.

LADY (Hall qualification) requires post with Institution or Doctor in London or suburbs. "A.," 128 Fleet Street, E.C.

LADY Dispenser (Hall) requires post in or near London with Doctor or Institution; thoroughly experienced; highest references. 22/5, Office of this Paper.

LADY; qualified; good Dispensing experience; London preferred; knowledge of Retail and Photography. 20/30, Office of this Paper.

LADY Dispenser, unqualified, desires post with Doctor or Chemist; live in; small salary; large Practice experience. "Manchester" (23/4), Office of this Paper.

LADY, unqualified; 7 years' experience in Counter, Dispensing, and Bookkeeping. 23/13, Office of this Paper.

LADY Dispenser, Bookkeeper; qualified; disengaged; good references. "W. R." (23/14), Office of this Paper.

LOCUM; 26; 5 ft. 10 in.; unqualified; 11 years' varied experience; abstainer; disengaged. "H.," 63 Monk Road, Bishopston, Bristol.

LOCUM; qualified; 49; first-class experience and testimonials; disengaged. "Dewey," 3 Helena Avenue, Margate.

LOCUM; disengaged; good experience; satisfactory references. "Qualified," 38 West Brampton, Newcastle, Staffs.

LOCUM; qualified; Chemist or Institution work; all-round experience; abstainer; disengaged. "Holborn" (25/8), Office of this Paper.

LONDON, S.W.—Evenings; Dispenser; qualified; four nights weekly after 7 o'clock. 20/18, Office of this Paper.

MANAGER; qualified; middle-age; good all-round experience. "Pharmacist," 126 Victoria Street, Bristol.

MANAGER or Senior; qualified; young; abstainer; good experience; disengaged November. Apply, 19/30, Office of this Paper.

MANAGER or Locum; 42; qualified; London; first-class experience. "S.," 28 Silver Crescent, Gunnersbury, W.

MANAGER; qualified; smart Dispenser; good all-round experience. "Pharmacist," c/o Mr. Burstow, Horley, Surrey.

MANAGER, qualified, 36, requires position in good-class Chemist's in Scotland; London (West-End) experience. Apply, 21/23, Office of this Paper.

MANAGER, Assistant, or view succession easy terms; 36; married; unqualified; Extractor, Prescriber, Photography; holding N.H.I. qualification and excellent references; shortly disengaged. "Energetic," 629 Oldham Road, Newton Heath, Manchester.

MANAGER; qualified; experienced; quick Salesman; N.H.I.; abstainer; 35; permanency; references. 22/32, Office of this Paper.

MANAGER; qualified; varied experience; Photography; good references. "Statim" (25/3), Office of this Paper.

MANAGER; qualified; special knowledge Prescribing, Photography, and development of Specialities; experienced ad. writer; highest references; practically abstainer; disengaged this week. 24/40, Office of this Paper.

MANAGER; qualified; outdoors; London or Suburbs; first-class experience. 24/35, Office of this Paper.

MANAGER, qualified, abstainer, great experience, seeks permanent responsible post; disengaged. Kindly address, 25/15, Office of this Paper.

MIDDLE-AGED, qualified man, single; any useful capacity; terms to suit. "Tincture" (21/31), Office of this Paper.

MIDDLE-AGED man; Stockkeeper, Dispenser, Counter; reliable; part-time; small wages. "Alpha" (24/21), Office of this Paper.

MINOR qualification; Hall experience; moderate terms; London or elsewhere; single. "Handy" (21/031), Office of this Paper.

NEGLECTED Branch to work up; Retail, Dispensing, Prescribing, Manufacture own Proprietaries; private connection. "Mutual," 48 Handforth Road, Clapham, S.W.

PART-TIME; capable, unqualified Assistant; Dispensing, Counter; good experience; 27; disengaged. 19/38, Office of this Paper.

PART-TIME; 40; unqualified; Monday, Wednesday, Thursday, and Friday mornings, 9 to 3. "F.," 4 Comyn Road, Clapham Junction.

PART-TIME; evenings after 6; Retail and Institution experience. 31 Fassett Square, Dalston.

PART-TIME Assistant requires two or three days; experienced; engaged Saturdays. 24/25, Office of this Paper.

PHARMACIST willing to undertake checking N.H.I. Prescriptions. Willder, Gnosall, Staffs.

PHARMACIST; West-End, Dispensing, Photographic, and Agricultural experience; permanency; Manager or Senior. 21/16, Office of this Paper.

PHARMACIST; lady; slight Retail, excellent Dispensing experience; highest references. "Globulus" (21/016), Office of this Paper.

PHARMACIST, first-class experience, as Manager, with or without view to Partnership or succession; exceptional references; married; good-class Dispensing business preferred; permanency. "F.S.M.C." (22/4), Office of this Paper.

QUALIFIED, 31, married, abstainer, Manager or Senior, desires provincial post; experienced in good-class Dispensing, Light Retail, and Photography; excellent references. Full particulars, hours, salary, etc., 18/38, Office of this Paper.

QUALIFIED; 36; married; Counter, Dispensing, Photography; disengaged. Stewart, 3 Elborough Street, Southfields, S.W.

QUALIFIED; 33; Locum or permanency; good experience; excellent credentials. "Statim," 41 Sark Road, Stoneycroft, Liverpool.

QUALIFIED Dispenser; disengaged through war; good references. "Statim," 27 Elm Lodge Avenue, Reading.

QUALIFIED; Manager or Senior; thoroughly experienced in Dispensing and Counter work, advertising, and general management; references. Apply, 22/17, Office of this Paper.

QUALIFIED; Locum or temporary Manager; 37 years of age; 20 years' first-class and Store experience; disengaged immediately. "Statim," 29 Avondale Road, Southport.

QUALIFIED (29), smart, energetic, seeks situation; London or Kent; disengaged. 23/2, Office of this Paper.

QUALIFIED; 25; West-End experience; good references. "W. G.," 34 Hazlitt Road, West Kensington, W.

QUALIFIED; elderly, single; good-class business; moderate salary; London or Suburbs. 22/9, Office of this Paper.

QUALIFIED; Manager or Locum; disengaged November 9; good Counterman; references; Manchester or Liverpool. 24/11, Office of this Paper.

QUALIFIED; tall; 16 years' all-round experience; good references; Branch Managership or Assistant; Store line preferred. "Statim," 18 Myddelton Square, E.C.

QUALIFIED; experienced all branches; 34; excellent references. "Chemist," 9 Edward Street, N.W.

QUALIFIED, London, Continent, and Colonial experience, seeks position with good prospects; disengaged. "J. P.," 32 Elgin Avenue, Maida Vale, W.

SALESMAN, Prescriber, good Counterman; punctual, industrious, obliging; Yorks or North preferred; last berth two years. Curtis, Beaconsfield, Bridlington.

SMART Junior (unqualified) Assistant. "Labor.," Durand House, Durand Gardens, Clapham.

TEMPORARY Manager or Locum; qualified; 40; competent and thoroughly reliable; excellent references. 19/24, Office of this Paper.

UNQUALIFIED; 23; North preferred; references; honest, careful. 22/15, Office of this Paper.

UNQUALIFIED; single; Dispensing, Counter, N.I., Extractor; Midlands. "Mercury" (22/14), Office of this Paper.

UNQUALIFIED; Hall qualification; active, clean, tidy; good experience; country preferred; outdoors; age 48; abstainer; permanency; disengaged. Watson, 23 King William Street, Greenwich.

UNQUALIFIED; competent Dispenser; Photographic, Store experience; good Stockkeeper; Dental Operator. Edwards, 2 Park Street, Deal.

UNQUALIFIED; 31; single; abstainer; 12 years' experience; undeniable references; disengaged beginning of November; salary 30s. "S. F.," 42 Doughty Street, Russell Square, W.C.

UNQUALIFIED; 32; single; energetic and capable; Dispenser, Counter, Photo; disengaged. 20/29, Office of this Paper.

UNQUALIFIED; good references; near London preferred. 22/1, Office of this Paper.

UNQUALIFIED; 25; 5 ft. 10 in.; experienced good-class Dispensing and Counter routine; capable taking charge; also had Wholesale Laboratory experience; Midlands preferred; Locum or permanency. 23/17, Office of this Paper.

UNQUALIFIED; whole or part time. "Chemicus," 14 Selwyn Avenue, Highams Park.

UNQUALIFIED; evening work wanted; Dispensing or Surgery Attendant. "A.," 24 College Street, Chelsea.

WANTED, in good-class business, Assistant Dispensership and Counter work by young lady. 113 City Road, Cardiff.

WAR necessitates; keen Salesman, competent Dispenser, and expert Window-dresser; seeking engagement. "Statim," 28 Bear Road, Brighton.

YOUNG lady (Apothecaries' certificate) requires post as Dispenser to Medical man. References on application, 142/67, Office of this Paper.

YOUNG; married; unqualified; smart; capable in all branches; neat and quick Dispenser, Bookkeeper; disengaged shortly; Pharmacy or Surgery. 39 Henry Street, Reading.

YOUNG Pharmacist, Belgian refugee, with Diploma from Louvain University, desires situation in Pharmacy or Laboratory; does not speak English. Write, 107 Lansdowne Road, East Croydon.

35/-.—Assistant or Manager; unqualified; accurate, reliable Dispenser; used N.H.I.; good Counterman, Window-dresser; Photography, etc.; disengaged; age 37; reference. "Bromo," 127 Gloucester Road, Bootle, Liverpool.

WHOLESALE.

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A SMART Salesman, at present engaged speciality selling, desires to get on road for up-to-date firm; first-class selling record and references; 11 years' experience Retail trade. For particulars write "Salesman" (23/9), Office of this Paper.

ADVERTISER, tall, good address, 16 years' first-class Retail experience, is open for outdoor engagement. "Lenoil," 76 Kimberley Gardens, Harringay, N.

HORTICULTURAL Specialities.—Foreman wants position of trust. "Chemicus," 35 Thornton Avenue, Chiswick.

REPRESENTATIVE to call on Medical men and Chemists seeks position; 10 years' experience; 7 years last employers; suspended owing to war; ground covered, all towns north of Birmingham to Aberdeen, and Ireland; resides near Liverpool. "E. A. S." (22/31), Office of this Paper.

REPRESENTATIVE, young, energetic, to call on Doctors and Chemists, seeks position; 4 years' Travelling experience. Address, "Representative" (22/35), Office of this Paper.

REPRESENTATIVE.—Smart business man, qualified Chemist, 34, experienced Representative, calling on Chemists, will Represent a good house on commission, with expenses; running own car. "Representative" (20/26), Office of this Paper.

TO Export Druggists.—Gentleman (36) seeks appointment; 17 years' experience in Export, Shipping, and Drugs; good Spanish, fair French; very conversant with Central and South American Drug trade. Write, "Taylorian" (18/35), Office of this Paper.

TRAVELLER, working South-West of England, wants extra goods to sell; has customers in over 200 towns; holds fidelity guarantee; contribution towards expenses and commission. For further particulars write, 281/21, Office of this Paper.

YOUNG qualified Chemist, smart, would like engagement in Wholesale. "R. C.," 46 Richmond Road, Bayswater.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

Shares for Sale (free of commission, subject).—50 Brunner Mond Ordinary, 82*s.* 6*d.*; 120 Lever "C" Preference, 21*s.* 3*d.*; 150 Peck Frean Preference, 21*s.* 3*d.*; 40 Bleacher's Preference, 20*s.* 10½*d.*; 100 Bovril Ordinary, 20*s.* 10½*d.*

Wanted (subject).—500 Idris "A" Preference; 100 Camwal Preference; 70 Wright Layman Preference, 20*s.* 6*d.* x.d.

List of Shares for *Sale* and *Wanted* sent free on application.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

CHEMISTS
Who are not deaf

to sound business propositions should write for particulars of the

"GLOBE EAR-PHONES"

(the best and most efficient aids for the deaf)

To the Manager,
THE GLOBE EAR-PHONE CO.
62 Oxford Street, London, W.

A PARISIAN Manufacturing Perfumer wishes to meet party willing to co-operate in developing sales in U.K. and Colonies of a Patented Speciality of almost universal demand; opportunity particularly suitable for a firm of Wholesale Chemists or Perfumers or others having facilities for distribution. 15/36, Office of this Paper.

FULL detailed Recipe required for the manufacture of Acid Calcium Phosphate of Lime, as used by Baking trade. Write, with terms, 16/24, Office of this Paper.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool. E

SHOPFITTINGS at War Prices.—To make room, the whole of our Stock is to be Sold at reductions from 10 per cent. to 50 per cent. discounts; 12-ft. Mahogany and Plate-glass Counter, £8 7*s.* 6*d.*; 6-ft. Mahogany Wall Showcase, 9 ft. high, £7 17*s.* 6*d.*; 6-ft. Mahogany and Bent Plate-glass Counter Case, 90*s.*; other bargains in proportion. Write inquiries, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

CHEMISTS' Fittings.—Silent Salesman, Glass Showcases of every description, Drugfittings, Dispensing-screens, Wall-cases, Glass-front Counters, Perfume-cases, Desks, Counter Drawers, Shelves, Mirrors, shop-soiled, second-hand, at lowest prices; don't decide till you get my estimate; you can't get better value; 30 years fitting Pharmacies. GEORGE COOK, The Chemists' Working Shopfitter, Catherine Street, City Road, E.C. (few doors from Old Street).

CHEMISTS' Fittings, High-class.—14-ft. Drug Fitting, Mirror centre; 8-ft. Mahogany Wall Case; 8-ft. Dispensing Screen and Counter; 10-ft. Glass-fronted Counter; Counter Drawers; Perfumery Case and Desk; £55 10*s.* the lot, bargain; cheapest house in the trade for structural alterations, shop-fronts, etc. H. MILLS, Chemists' Complete Shopfitter, Shopfront Builder, Steam Works, 163-5 Old Street, E.C. 'Phone 550 London Wall.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6*d.*

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FOR DISPOSAL.

DRUGS AND CHEMICALS.

6 oz. saffron; what offers? "Crocus" (18/29), Office of this Paper.

1,500 5-gr. antipyrin tablets, good condition; what offers? Stanley, 51 St. Leonard Street, Bromley, E.

FOUR Winchesters of lin. lic. and chlor. mixture; what offers? J. E. Eastman, 57 Forest Lane, Stratford, E.

WHAT offers, 7½ oz. morphinæ hydrochlor., 6 lb. saffron, 1 lb. ol. santal. flor. ang.? 142/5, Office of this Paper.

WHAT offers, 4 oz. English ol. lavand., 1911, 15 grains aconitin (Merck), 1½ grains atropine salicylate, 3 drams loretin, 2 oz. extract aconite, 1 oz. extract lactucæ ver.? 4 oz. cocain. hydrochlor., 9*s.* per oz. Finlayson, Pharmacist, Stockton-on-Tees.

SHOP FITTINGS.

FOR sale, cheap, bent plate-glass showcase, 8 in. high, 18 in. wide, 8 ft. long, as Maw's No. 149W, but without trays and with leaning shelf and serving counter; what offers? Sutcliffe, Chemist, Buxton.

MISCELLANEOUS.

RUBBER air-bed, 30 by 24 in., for sale; very strong; used only short time; cost 36*s.* 6*d.*; what offers? Lands, Chemists, Coalville.

24 Amami skin food, 1*s.* 3*d.*; 12 tooth paste, 1*s.*; 2 talcum powder, 1*s.*; 13 Vigoroids, 2*s.* 9*d.*; Corvusine, different sizes, what offers? or exchange Wright's coal tar soap, Icilma shampoo, Kruschen salts, silent salesman; also offer quantity library books, new condition. List from Boardman, Abergele, N. Wales.

5vij. morph. acetate, 8 oz. hyd. oxide, 1¼ oz. brucine, 1 oz. argent citrate, ¾ oz. argent acetate, ½ oz. vanillin, 4 oz. acetanilide, 4 oz. ceric sulphate, 1 oz. inuline, 1 oz. ammon. iodid., 8 oz. ammon. phos. pur., 2 2*s.* 6*d.* Williams' pink pills, 2 2*s.* 6*d.* Scott's pills, 1 2*s.* 6*d.* marmola, 1 3*s.* Valentine's meat-juice; what offers? Mason, 30 Norfolk Street, Cambridge.

WANTED.

SECOND-HAND B.P. 1898 wanted. R. Aubert, 41 Coram Street, W.C.

"CHEMIST-OPTICIAN." State price post free to J. E. Scott, Chemist, Greystones, co. Wicklow.

WANTED, aniline dyes, union black and blue. State quantity and price, 17/23, Office of this Paper.

WANTED, Schimmel's terpeneless lemon in unopened bottles. Particulars to 141/72, Office of this Paper.

WANTED, cachets, size No. 1. State quantity and lowest price for prompt cash, 7/15, Office of this Paper.

WANTED, specie jar, plain, height (with cover) 30 in. Full particulars, McFall, 78 Duke Street, Grosvenor Square, W.

PACKING-CASES wanted, any quantity, second-hand, large. Write, "Z. E. 113," c/o Deacon's, Leadenhall Street, E.C.

ADVERTISER will be glad to know present address of Mr. P. G. Godsell (late Wolverhampton). 140/26, Office of this Paper.

WANTED, folding and vest-pocket cameras, any quantity, for cash. Full particulars to Watson's, 84 High Street, Sheffield.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

"CHEMIST-OPTICIAN," Ince's "Elementary Dispensing Practice," and "Pharmaceutical Latin Grammar." Lowest price to Shepherd, 69 Victoria Road, Aberdeen.

WANTED, full set of chemical apparatus, suitable for a Minor student. State price, Jas. Clayton, Chemist, Middleton, Manchester.

WANTED, ointment or pill mass mixer to hold one or two gallons; also pair of dispensing scales on stand. Full particulars, "S.," c/o SmartAd, Lambert House, Ludgate Hill.

WANTED, gas-heated, water-jacketed copper pan, mixing machine, W. & P. type, whisk or emulsion machine; sifting machines; all for power. Best second-hand prices to Black Bull Works, Caledonian Market, N.

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Alleged Slander by Rexall.

An action has been raised in the Court of Session at Edinburgh by Andrew Reginald Andrew, 4 Rookfield Avenue, Muswell Hill, London, against the United Drug Co., 114 Old Hall Street, Liverpool, for payment of 2,000*l.* in respect of alleged slander. The plaintiff was until lately, he says, the manager for Scotland of the United Drug Co., of Massachusetts, an American company with a capital of $5,000,000, who carry on bnsiness in Liverpool, and jurisdiction had been constituted against them by arrestment. Prior to entering the defendants' service in 1912, the plaintiff states that for a period of about fifteen years he represented Messrs. Colgate & Co., of New York, for the sale of their toilet-articles and perfumery, and had built up a large and valuable personal connection in the United Kingdom, and was well and favourably known to chemists, druggists, and hairdressers, especially in Scotland. In 1912 he was engaged by the defendants at a salary of 10*l.* per week, together with first-class expenses, the contract of engagement not to be terminable except under six months' notice. The appointment of the plaintiff as manager for Scotland was duly intimated in The Chemist and Druggist. After joining the defendants' service many chemists and druggists in Scotland, who were in the main personal friends of the plaintiff, became shareholders of the defendants' company. These Scottish shareholders formed themselves into an association or club, and called it the "Scottish Rexall Club." The plaintiff said his work appeared to give satisfaction, and on more than one occasion the defendants expressed their satisfaction to him. In December 1913 the defendants' manager advised the plaintiff that he desired him to take up for the company the supervision of a department similar to that which he had previously held for Messrs. Colgate & Co. The plaintiff was willing to entertain the suggestion until it appeared that he was to have his position reduced to that of a mere traveller liable to dismissal on a week's notice. He then declined the position, and thereafter received an intimation to the effect that his original agreement was to be discontinued six months from the date thereof. While the plaintiff was unwell, which he was for some time after this notice, travellers and representatives of the defendants' company were, the plaintiff states, travelling round the districts where his connection extended, representing, it is believed, on the instructions or with the knowledge and consent of the defendants, that the plaintiff had received a better appointment under the defendants, and that they were now to take up his work in Scotland. As various contradictory rumours were going about as to the plaintiff's position, a meeting of the Scottish Rexall Club was held, and his position was discussed. The defendants' manager, having returned from America, in January 1913 wrote to the plaintiff charging him with creating dissatisfaction among the Scottish shareholders and with disloyalty to the defendants, and suspending him till the termination of his contract. The manager further circularised the Scottish shareholders giving his alleged reasons for suspending the plaintiff. The plaintiff maintains that the statements in the circular are false, calumnious, and malicious, and contained serious imputations on his character and reputation. Other statements of damage are set forth.

For the defendants, it is pleaded that the letter and circular complained of, being privileged and written and issued in *bona fide* and with reason and probable cause and without malice, and, separately, not inferring any slander on the plaintiff, judgment should be pronounced in their favour. The defendants stated that the notice in The Chemist and Druggist was based upon information supplied by the plaintiff direct to the publishers of the *C. & D.*, and that the defendants' manager, when asked by the publishers to confirm that information, omitted by inadvertence to correct the reference to the plaintiff's appointment as that of manager. They explained that the capacity in which the plaintiff was in fact engaged and employed was that of a travelling salesman for Great Britain, and that he never performed any managerial duties. The offer of an appointment as special salesman for toilet-goods for the United Kingdom was accepted by the plaintiff, but was afterwards declined. He was informed that there was a prospect of the toilet-goods business being made into a special department, of which in natural course he would, if he gave satisfaction, become the head. The plaintiff had definitely accepted the post, and they appointed a new traveller for Scotland and sent him to call upon their customers. After his successor had taken up duty in Scotland, the plaintiff wrote declining the position of toilet-goods salesman. The notice of six months' termination of the plaintiff's contract, it is explained, was merely a step in conformity with the general policy of the company to have every employé of the company, including their various managers, engaged upon the same terms as to notice—viz., one week's notice. The defendants state that the terms of the letter and circular contained an absolutely fair, unbiassed, and true statement of the facts and incidents to which they referred, and they were issued in the *bona fide* exercise by the defendants' manager of his duty to them and to the shareholders to whom the letter and circular were issued. The improper actings of the plaintiff had created a feeling of hostility or friction between the defendants and their shareholders, particularly those who were partisans of the plaintiff, and it was important and right that the Scottish shareholders should be informed of the true position of matters as between the defendants and the plaintiff.

Issues have been ordered by Lord Ormidale for the trial of the action by jury.

Candelilla Wax.—A ten years' contract has just been granted by the Mexican Government for the exploitation of the candelilla-plant over an area of about 247,000 acres situated in the States of Durango, Zacatecas, and Coahuila.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

Lymn-Bowater Chemical Co., Ltd. (P.C.).—Capital 2,000*l.* The subscribers are G. T. Ashworth and C. H. R. Crosby. R.O., Sanctuary House, 33 Tothill Street, London, S.W.

Western Drug-stores, Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists and druggists. The subscribers are J. McMaster and N. Mill. R.O., 156 New City Road, Glasgow.

James A. Foster, Ltd. (P.C.).—Capital 200*l.*, in 1*l.* shares. Objects: To take over the assets and the business of a chemist and druggist carried on by F. C. H. Foster at 9 Wheeler Street, Birmingham, as "James A. Foster." F. C. H. Foster is managing director.

A. Middleton's (Normanton), Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of wholesale druggists, manufacturing, veterinary, and agricultural chemists, etc. The first directors are E. B. Fillingham and Mrs. M. Fillingham. R.O., 21 High Street, Normanton.

T. Selby & Son, Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business of a surgical-instrument maker carried on by R. F. Selby at Wood Green. The first directors are R. F. Selby (managing director) and J. Mortimer. R.O., Acacia House, Douglas Road, Wood Green, London, N.

British and French Chemical Manufacturing Co., Ltd. (P.C.).—Capital 4,000*l.*, in 1*l.* shares. Objects: To carry on the business of chemical, acid, and alkali manufacturers, dye merchants and manufacturers, dealers in size, soap, and glue, etc. The subscribers are J. Gibson, J. E. Hilditch, and R. Hilditch, 16 John Dalton Street, Manchester, solicitor.

Wilson & Holmes (1914), Ltd. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To take over the business of aërated and mineral water and ice manufacturers carried on by Wilson & Holmes, Ltd., at Workington, Cumberland. Purchase consideration, 2,400*l.* (550*l.* cash, 400*l.* shares, and 1,450*l.* debentures). A further 600*l.* (300*l.* shares and 300*l.* cash) is payable to Commercial Advisers, Ltd., as promoters. Minimum cash subscription, 100*l.* The first directors are J. D. Wilson and H. Townsend.

Reuter's "4711" Eau de Cologne Co., Ltd. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in essences and essential oils and natural and synthetic perfumes, chemists, druggists, drysalters, oil and colour men, etc., and to enter into an agreement with R. J. Reuter. The subscribers are H. E. Cooper, E. W. Derrick, and R. J. Reuter, 6 Denman Street, W., wholesale dealer in druggists' sundries, the last-named being permanent governing director, subject to holding in the aggregate more than 25 per cent. of the shares.

Company News.

Sanitas Co., Ltd.—At a directors' meeting on October 23 the payment of the usual interim dividend at the rate of 5 per cent. in respect of the year ending March 31 next, payable on December 1, was authorised.

George Town Dispensary, Ltd.—The annual meeting was held at Singapore on September 18, when Dr. T. C. Avetoom presided. The annual report for the year ended February 28, which was adopted, states that the net profit for the year is $13,343, and this amount, with the balance brought forward from last year ($593.22) makes a total of $13,936. Though the business has increased considerably and the net profit almost doubles that of the previous year, the directors, in view of the present state of affairs, do not see their way to recommend the payment of a dividend, but propose to carry forward the whole amount of profit to next year's account.

West Bromwich.—A meeting of the West Bromwich Pharmaceutical Association was held at the Y.M.C.A. on October 27. There was a good attendance. Mr. Withers presided in the absence through indisposition of Mr. Kemsey-Bourne (President). Mr. James Lock read a paper on "*Ido, its Nature and Relation to Pharmacy.* As an example of the language, he translated the article dealing with "Amylum" in Squire's "Companion." A vote of thanks was accorded to Mr. Lock for the paper.

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(*From the "Trade-marks Journal," October 14, 1914.*)

"ACCELERENE"; for chemicals (1). By Hooley Hill Rubber and Chemical Co., Stamford Road, Hooley Hill, Manchester. 363,238.

"RESRU" in facsimile writing: for a rheumatism-medicine (3). By the Hearsley Drug Co., 32 Millgate, Wigan. 362,465.

"SINGSO": for a medicine (3). By Constance M. Coker, 19 Ferry Road, Teddington. 362,876.

"LUBRONE": for medicinal chemicals (3). By Allen & Hanburys, Ltd., 37 Lombard Street, E.C. 363,357.

"REGEPYRIN," for medicinal chemicals (3); "REGEFRICE," for perfumery, etc. (48). By Regesan, Ltd., 7A Laurence Pountney Hill, E.C. 363,462/464.

"YEOVIM"; for animal-foods (42). By T. B. Lock & Son, Morley House, West Hendford, Yeovil, Somerset. 362,621.

"THUMP": for a beverage preparation (42). By J. N. Nichols & Co., 203A Chapel Street, Salford, Manchester. 363,317.

"BLANKIT": for food-substances (42). By A. Boake, Roberts & Co., Ltd., 100 Carpenter's Road, Stratford, E. 363,516.

Seal device, with word "ASDRÚBAL," etc. ("Asdrúbal" and seal disclaimed); for a natural mineral water (44). By S. Cervantes, 19 and 21 Calle Mayor, Cartagena, Spain. 361,655.

"ANTIPOLLI": for a mineral water (44). By Niblett & Co., Union Street, Stroud. 363,181.

"OPUS," for goods (47); "KRONO," for goods (48). By Wilkie & Soames, Ltd., Thames Soap and Candle Works, East Greenwich, S.E. 363,292/320.

"TALLROL": for oils and greases (47). By A. C. Renton, 10 South Street, Newcastle-on-Tyne. 363,416.

"DIANA," with picture of same; for perfumed soap (48). By C. E. Maloney & Co., Station Road, Gillingham, Dorset. 355,126.

Circular device, with words "THE (eye) DEAL (hare) RESTORER" ("Ideal" disclaimed); for hair-preparations (48). By the Ideal Hair-restorer Co., 95 Bradshawgate, Bolton. 360,376.

Label device, with words "RED, WHITE, AND BLUE," etc.; for British eau de Cologne (48). By C. W. Johnson & Co., 38 Great Ormond Street, London, W.C. 363,296.

(*From the "Trade-marks Journal," October 21, 1914.*)

"AMIDOL-JOHNSONS," with device of scales and monogram "J. S." ("Amidol" disclaimed); for photographic developers (1). By Johnson & Sons, Manufacturing Chemists, Ltd., 23 Cross Street, Finsbury, E.C. 363,479.

"FINGRO"; for fertilisers (2). By Finlay & Co., 12 High Street, Belfast. 362,813.

Circle enclosing cross device with letters "L. H. C." over word "DISINFECTANTS" ("L. H. C." disclaimed); for disinfectants, etc. (2). By the London Hygienic Chemical Co., Ltd., 163 Blackfriar's Road, S.E. 363,100.

"IMP"; for chemicals (2). By T. Keating, 50-52 Union Street, London, S.E. 363,467.

"TOXOL"; for chemicals (2) and for medicinal chemicals (3). By Boot's Pure Drug Co., Ltd., Nottingham. 363,560/280.

"GOOD LUCK" and picture of horseshoe; for soap (2, 47, and 48). By J. Crosfield & Sons, Ltd., Warrington. 363,611/2/3.

"RADABAK"; for medicines (3). By H. Davidson, 12 Smallbrook Street, Birmingham. 362,934.

"EUCLOTTIN"; for medicines (3). By Society of Chemical Industry in Basle, Basle, Switzerland. 363,135.

"SANAPHOS"; for medicinal chemicals (3) and for food-substances (42). By the British Milk Products Co., Ltd., 69 Mark Lane, E.C. 363,457/8.

"ORINDA"; for an ointment (3). By Morris Brothers, 54 Pike Road, Bolton. 363,541.

WILLS PROVEN.

MR. ELI MORTON KNIGHT, 218 Harborne Road, Edgbaston, grocer and druggist, who died on June 4, aged ninety-two, left estate valued at 30,926*l.* 11*s.* 5*d.* gross, with net personalty 22,526*l.* 9*s.* 2*d.*

MR. SEPTIMUS CATCHPOLE, 28 Mason's Hill, Bromley, Kent, of Messrs. E. Catchpole & Sons, Rotherhithe, S.E., tar and resin distillers, who died on August 13, left estate valued at 21,451*l.* 5*s.* 10*d.* gross, with net personalty 20,935*l.* 16*s.* 6*d.*

MR. EBENEZER SCOTT, chemist and druggist, Nottingham, who died on September 4 at 66 Edgedale Road, Sheffield, Yorks, left estate valued at 241*l.* 16*s.* 6*d.* gross, with net personalty 95*l.* 12*s.* 7*d.* Probate of his will has been granted to his sister, Mrs. John Gibson, 66 Edgedale Road, Sheffield.

MR. ARTHUR KIRKLAND, Ph.C., 392 Clapham Road, London, S.W., who died on board the s.s. *Galway Castle*, bound for South Africa, on August 9, left estate valued at 437*l.* 1*s.* 5*d.* Letters of administration have been granted to his widow, Mrs. Annie Agnes Kirkland, of 100 Park Hill, Clapham Park.

MR. LEONARD AUGUSTUS WILLIAMS, chemist and druggist, the Central Pharmacy, Porthcawl, Glamorgan, who died on July 14, left estate of the gross value of 2,191*l.* 4*s.* 10*d.*, of which the net personalty has been sworn at 1,601*l.* 7*s.* 4*d.* The testator left his gold watch and chain to his brother James; his books and his share in the Pontypridd Building Society to his brother Fred; the balance of his household effects to his wife absolutely, and all other his property to his wife if she should remain his widow, and, if not, then to her for life, with remainder to his next-of-kin.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. F. T. DODGE (of the London branch of Dodge & Olcott Co.) and family sailed for New York this week per *Lapland* on a business trip.

MR. FRED JACKS, chemist and druggist, High Street, Stone (Staffs), has been appointed Treasurer of the St. Michael's Lodge of Freemasons, of which he is a Past Master.

MR. DAVID BROWN, F.I.C., F.C.S., Willowbrae House, Edinburgh, of Messrs. J. F. Macfarlan & Co., has been elected a Justice of the Peace for the County of the City of Edinburgh.

DR. F. B. POWER, F.C.S., is retiring from the directorship of the Wellcome Chemical Research Laboratories, 6 King Street, Snow Hill, London, E.C., in order that towards the end of the year he may return to his home in New York State and be beside the members of his family.

AMONG those who have been appointed to exercise, in their respective districts, the powers conferred by the Lunacy Acts, 1890, are Mr. R. L. Gifford, Ph.C., Mr. T. Critchley, chemist and druggist, and Mr. W. Woolley, manufacturing chemist, Blackburn; Mr. G. Claridge Druce, M.A., Ph.C., Oxford; and Mr. S. R. Anness, Ph.C., Ipswich.

MR. JOHN BIRKETT, PH.C., Mayor-elect of Morecambe, is the son of the late Mr. John Birkett, who was one of the pioneers of Morecambe. The Mayor-elect first entered the Council in the days of the Urban District Council. When the town was incorporated he did not seek re-election, but a year later he was again returned to the Council, and since that time he has never had to fight for his seat. As Chairman of the Advertising Committee, Councillor Birkett has done good work, and he has identified himself with the interests of the town in many other ways. Regarding his pharmaceutical career, Councillor Birkett studied at "The Square," and became a pharmaceutical chemist in 1887, since which time he has been manager, and finally proprietor of the business at 16 The Crescent, Morecambe, established by his father fifty years ago.

MR. JOHN BIRKETT.

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		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Heavy weight	each	2 9	3 0	3 3	3 5	3 9	4 3	4 6	4 10
Light ,, ...	,,	2 8	2 10	3 1	3 3	3 6	3 11	4 2	4 5
Cockburn's shape	,,	2 9	3 0	3 3	3 6	3 10	4 3	4 6	4 10
Covers, scarlet or grey plush	,,	0 7	0 7	0 9	0 9	0 10	0 10	0 10	0 11
,, ,, ,, felt	,,	0 5	0 5	0 6	0 6	0 7	0 7	0 8	0 10

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[See p. 569, "C. & D." Diary 1914.

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SEMREH

SELF-FIXING & AIR-TIGHT

BOTTLE CAPS

PROMPT DISPATCH

The Best Capping in the World.

Far superior to Pleated Paper or Leather Cappings

NO INCREASE in prices.

Apply now for Booklet and full particulars.

The VISCOSE DEVELOPMENT CO., LTD., Bromley, Kent.

ALL KINDS DECORATED AND PLAIN

TINS

FOR MANUFACTURING CHEMISTS.

WHOLESALE ONLY.

Specialties:

HEALTH SALT TINS.
Vaseline, Ointment & Camphor Ice Boxes. :: Tin Shaving Stick Cases.
CARBIDE TINS.
LIQUID METAL POLISH TINS.

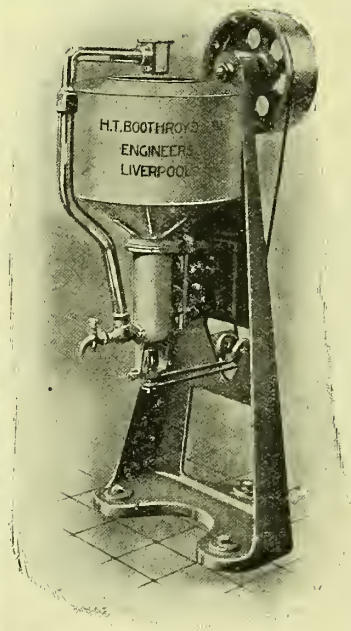
Our up-to-date designs & high-class printing will increase your trade. Apply to—

The **Liverpool Tin Canister Co.** Ltd.
WALTON, LIVERPOOL.

London Office: 7 Wilson St., E.C. Telephone: London Wall 7768.

PATENT "2 in 1" EMULSIFIER

FOR MAKING ALL KINDS OF EMULSIONS AND EMBROCATIONS IN ONE OPERATION



A very simple and successful machine combining the usual separate mixing and emulsifying processes in one.

Made in 8 to 10 GALLON SIZES

for either belt or electric drive, the latter being self-contained.

Send for particulars and prices to—

H. T. BOOTHROYD, Limited. Bootle, Liverpool.

Telephone: 420 Bootle. Telegrams: "Commutator Liverpool."

FORGROVE WRAPPING MACHINES

Note what users say:

Dear Sirs,

With reference to the instalment of SEVEN "PEPS" WRAPPING, COUNTING, AND PACKING MACHINES which you have recently completed, we have pleasure in notifying you that these are giving every satisfaction, turning out the work in a way in which we hardly anticipated would have been possible when you undertook the responsibility of designing these.

Yours truly,
C. E. FULFORD, Limited.

Dear Sirs,

I have pleasure in enclosing cheque to cover your statement for the Tablet-filling Machine. When your representative was here it ran perfectly, and as soon as we can standardise our bottles I think we shall have the best Tablet-filling Machine on the market.

I will order another one later on when I see exactly what I require.

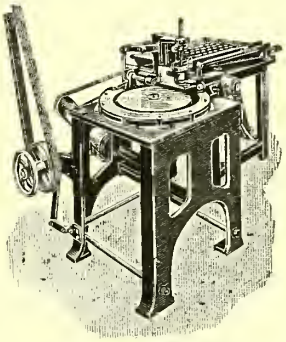
I take this opportunity of thanking you for the care you took and the time you spent over the matter.

Yours faithfully,
THE VENO DRUG CO., Ltd.

THIS
Forgrove Machine wraps Round Medicated Tablets
100 TO 120 PER MINUTE OUTPUT.

Machines for Counting and Filling Tablets and Pills
INTO BOTTLES AND OTHER RECEPTACLES.

We make Machines for wrapping soap, cube blue, meat cubes, chocolate, cocoa blocks, caramels, and Machines for Twist Wrapping.



THE FORGROVE MACHINERY CO. Ltd.,
Admiral Street, Dewsbury Road, LEEDS.

Bennett, Sons & Shears,
Limited,

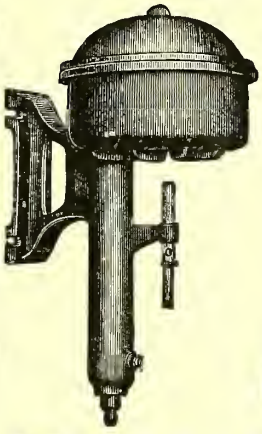
ENGINEERS & COPPERSMITHS,
MANUFACTURERS OF CHEMICAL PLANT.

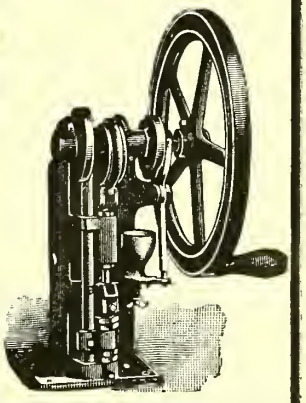
Auto-Claves.
Digesters.
Extractors.
Distilling Apparatus,
Reflux Condensers.

INQUIRIES INVITED.
43 SHOE LANE, LONDON, E.C.

STOKES' GAS-HEATED AUTOMATIC WATER STILL, £4. 4. carr. paid.

THE "EUREKA" TABLET MACHINE, £6 carr. paid.





SOLE AGENTS FOR F. J. STOKES MACHINE CO.,
THOMPSON & CAPPER, LTD.
Manufacturing Chemists,
MANESTY BUILDINGS, COLLEGE LANE, LIVERPOOL.
Tel. No. 2093 Royal. Telegrams: "Sanitas Liverpool."
Code: 5th Edition, A B C.

THE BRITISH FLUID
MICROBENE (REGISTERED)

A Superior Cleansing Antiseptic and Disinfectant for obtaining Aseptic Results in Midwifery and Surgery.

MICROBENE is not a black, sticky, coal-tar Disinfectant, composed of unrefined cresols, but an excellent saponaceous Antiseptic recognised and used by DOCTORS and NURSES. For cleaning and disinfecting medical and surgical instruments, and for the washing of hands, wounds, etc., MICROBENE IS UNRIVALLED.

REMEMBER MICROBENE IS AND ALWAYS HAS BEEN BRITISH

STOCKED BY ALL WHOLESALE HOUSES.

	WHOLESALE PRICE.	RETAIL PRICE.
4 oz. Bottles	5/- per doz.	7½d. each (P.A.T.A.)
8 „ „	8/- „	1/- „ „
16 „ „	14/- „	1/9 „ „

Also in half and one gallon tins.

Sole Manufacturers:—**ROBERT YOUNG & CO., Ltd.,**
38 ELLIOT STREET, GLASGOW.

Also at 17 St. ANN'S SQUARE, MANCHESTER, and 90 CANNON STREET, LONDON, E.C.

"IN PREPARATION."

Messrs. KAY BROTHERS, Ltd., beg to inform the trade that they will shortly be going to press with their popular Annual, the

"FAMILY REFERENCE AND FIRST AID BOOK," 1915,

revised and added to, containing 26 pages of interesting and useful reference matter, in stiff paper cover printed in colours; also

COUNTER BILLS

in two sizes, 11 in. × 9 in. and 6 in. × 7½ in. The larger size is specially adapted for Counter use and wrapping of 6 to 8 oz. bottles. The paper is of best quality, smooth, plainly printed *on one side only*, with large margin, and carefully cut.

Supplies of above are now being booked for winter delivery.

GRATIS, CARRIAGE PAID, PRINTED WITH NAME AND ADDRESS,

for chemists forwarding *two slip labels* and undertaking careful distribution. Population of district should be given, and in the case of the Almanacks house to house distribution should be promised, as this Annual is the finest of its kind published and a credit to any Pharmacy.

NOTE.—No Advertising Matter is sent out unless asked for.

Write at once, as applications are dealt with in rotation, and the edition is limited. Address Advertisement Department.

'LINSEED COMPOUND'

46 Years' Proven Efficacy For COUGHS and COLDS.

Sole Proprietors and Manufacturers—
KAY BROTHERS, LTD., Stockport.

By Royal Warrant

To H.M. King George V. To H.M. Queen Alexandra.

HOLDERS OF ROYAL WARRANTS DURING THREE SUCCESSIVE REIGNS.

Jeyes' Disinfectants

JEYES' FLUID, JEYES' POWDER,
JEYES' CYLLIN, CYLLIN MEDICAL,
CYLLIN MEDICAL CAPSULES (Palatinoids),

Jeysol

(JEYES' SOLUBLE FLUID).

A substitute for Lysol, of absolutely equal efficiency, and making a CLEAR Solution.

Jeyes' Sanitary Compounds Co., Ltd., 64 Cannon Street, London, E.C.

RATS

TELLING TRIUMPHS IN THE "RODINE" WAR

IN TEN MINUTES.

Mr. Reed, Professional Ratcatcher, writes:—"In less than ten minutes after using 'Rodine' it drew rats from all directions, killing them in scores."

IN AN HOUR.

Mr. F. C. Jones, Newdigate, writes:—"I found rats lying dead within an hour after laying 'Rodine' down."

IN A NIGHT.

Mr. Spencer-Palmer, Chemist, Thornbury, writes:—"With a 1/- tin of 'Rodine' Miss Ogburn killed 100 rats in one night."

Write for particulars of Sole Agency to the Maker—

HARLEY, Manufacturing Chemist, **PERTH,** Scotland.

Export Agents: TOZER, KEMSLEY & FISHER, Ltd., 84 Fenchurch Street, London, E.C.

Cinol

the new preparation, **containing no poison,** for killing nits in children's hair, is now being extensively advertised and may be obtained through any of the usual wholesale houses, or direct from the proprietor:

TINS 2D.

THOMAS KEATING, LONDON.

NUMOL A LECITHIN FOOD for INVALIDS and CHILDREN. Palatable and Nutritious. In glass jars, 1/-, 2/6, 4/.

SOLOFORM AN INVALUABLE ANTISEPTIC LOTION. In Amber Bottles, 6d., 1/7, 2/-.

SOLOFORM OINTMENT SOOTHING, HEALING, ANTISEPTIC. In flat porcelain jars, 1/-, 2/9.

Write for Terms to:—

NUMOL LIMITED, Newcastle-on Tyne.

WAR ON CHEMISTS

NEVER in the History of the World will there be as great a demand on Chemists for goods that are necessary for the sick and wounded as there will be for the remaining months of 1914, and the whole of 1915.

Now is your time to gather in the shekels, but you must advertise and let people know what you are able to supply.

SEND FOR SAMPLES

of our POSTER STAMPS, WAR POSTERS, OPTICAL CIRCULARS, etc., etc., and you will order.

Full Set of Samples to Colonies **10/6**, which amount we credit from a £5 order.

THOMAS WAIDE & SONS

Chemists' Printers,

KIRKSTALL ROAD, LEEDS.

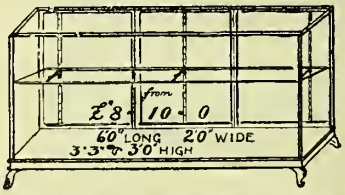
SPECIAL
OFFER to CLEAR
40 SILENT SALESMEN
BENT & STRAIGHT FRONTS
RETURNED FROM EXHIBITION.
GOOD AS NEW, FROM **£6 10 0.**

COUNTER CASES, WALL CASES EQUALLY CHEAP.

FARLEY & CO., SHOPFITTERS, 227 OLD ST., LONDON, E.C.

LARGEST ASSORTMENT OF
NEW & SECOND-HAND FITTINGS
IN LONDON.

30
GLASS COUNTERS
6 ft. Long.
FROM **£8 10 0**
GOOD AS NEW.



PLANS AND ESTIMATES FOR COMPLETE FITTING OF SHOPS.

Corks for Chemists

NATIONAL INSURANCE CORKS.
6 & 8 oz., 1 in. long, at 4½d. per gross.
30 gross bag post free for 11/-
Free sample sent on application.

N. W. MITCHELL & SONS, Ltd.,
"Bouchon" Works,
Limehouse, London, E.

BRILLIANT PLATE.
"ALBATUM OR WHITE ROUGE"
GIVES A UNIQUE POLISH TO ALL SILVER AND ELECTROPLATED GOODS.
In 6d. and 1/- Boxes, and Tins, 2/-
BRADLEY AND BOURDAS,
6 PONT STREET, S.W.

FREE Sample 6d. and 1/- tin, with handsome showcard and trade terms, post free on receipt of trade billhead.

GRIFFITHS'
Oxyron PLATE POWDER
REGD

LARGE 6d. and 1/- TINS.
MAKES SILVER LIKE NEW.

This Plate Powder contains a certain proportion of our celebrated Oxyron as manufactured and supplied by us to the leading Silversmiths for nearly a century, by which the brilliant polish upon new silver is obtained.

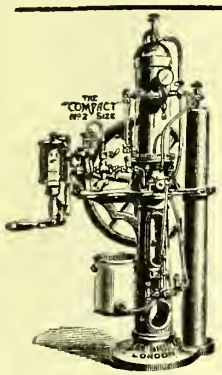
Sole Manufacturers—
T. D. GRIFFITHS & CO. (Estab. 1829),
52 Spencer St., Clerkenwell, London, E.C.

FROM ALL SUNDRY DRUG HOUSES.

IN 1-DOZ. SHOWCASES. MENDIT LTD., BIRMINGHAM.

BARNETT & FOSTER

11 GOLD MEDALS. *The Best House in the World for all requirements of the Mineral Water Trade.* 49 HIGHEST AWARDS.



THE "COMPACT" complete Soda-water Machine

For use with Compressed Carbonic Acid Gas is specially designed FOR CHEMISTS, and is provided with one or more filling machines.

Occupies little space. Ready for immediate use. Requires no fixing.

Produces Soda-water, Lemonade, etc., of the highest quality and greatest purity.

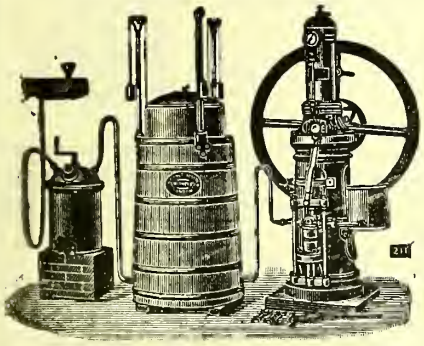
PRICES—

No. 1.—Capacity 1,200 dozen per day, including Filling Machines for Bottles *and* Syphons ... £60
No. 2.—Capacity 600 dozen per day, including Filling Machines for Bottles *and* Syphons ... £48
No. 3.—Capacity 300 dozen per day, including Filling Machines for Bottles *or* Syphons ... £33

We also make a smaller machine at £20.

THE PERFECTION OF SIMPLICITY. AUTOMATIC CARBONATION.

To those who can spare space in which to generate their own gas, we offer the "Niagara" machines advertised below.



THE "NIAGARA" Soda-water Machine

(Continuous Action).

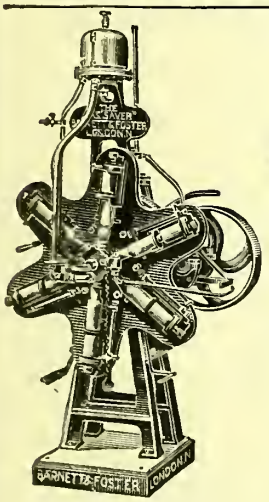
This machine is superseding all other types for the manufacture of FIRST-CLASS Aerated Waters, and is in use in most of the leading manufactories throughout the world.

PRICES, COMPLETE, from £30,

FITTED FOR HAND AND POWER

Particulars of Larger Sizes on application.

NOTE.—These machines are sent out by us complete and ready for work. We include all necessary connecting pipes ***without extra charge.*** No "extras" to pay for after buying our machines.



THE "GAS-SAVER," Price £60

STUDY QUALITY—AS CHEMISTS MUST—

By Bottling on our Latest Types of Filling Machines. We Guarantee the

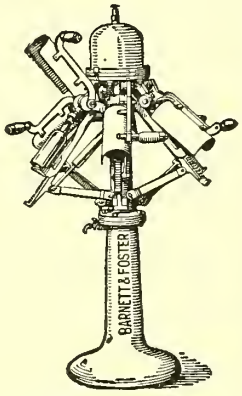
Highest Quality Soda-water at 60-lb. Pressure!

thereby Saving Gas, avoiding Bottle-breakage and improving quality of Products.——The secret:

BACK PRESSURE—PROPERLY APPLIED.

Particulars of the "GAS-SAVER," for filling Codd's and Niagara Bottles; The "ROUNDABOUT," for filling Corked, Crowned and Screw Bottles sent on application.

SAVE MONEY.



THE "ROUNDABOUT," in 6 sizes, prices from £25

CATALOGUE of all our Manufactures, including Syphon-filling Machines, Syphons, all classes of Bottles, Modern Bottle-washing Appliances, Ice and Refrigerating Plant, Essences, Flavourings and Drugs, and every requirement of the trade sent FREE on application to—

NIAGARA WORKS, 26T EAGLE WHARF ROAD, LONDON, N.,

AND AT BOLTON, LANCS.

HOBSON'S CELEBRATED DANTZIC

SPRUCE BEER (also known as Black Beer)

(NON-INTOXICATING).

A great restorative—builds up and strengthens the whole system.

No licence required for its Sale.

DANZOVIN (registered)

(Retails at 1/3 per bottle)

MEAT AND MALT WINE

(with or without Quinine)

ORANGE QUININE WINE

(B.P.)

Write for samples & quotations to

JOSEPH HOBSON & SON,
Dantzic Brewery, LEEDS.

The original Black Beer Brewery, established a century.

WE TENDER THANKS TO

PHARMACEUTICAL PATRIOTS

— FOR THEIR ORDERS FOR —

CHELTENHAM NATURAL APERIENT WATER.

The increased demand is taxing bottling resources to the utmost, but additional plant is being installed and every effort being made to execute orders fully.

We still offer the 1/- bottles at 9/- per doz. carr. paid, but orders must be executed in strict rotation.

The CHELTENHAM NATURAL WATER Co.

(Branch of United Chemists Association, Ltd.), *CHELTENHAM.*

WINCARNIS

with Quinine

Requires NO license

when sold by Registered Chemists and Druggists.

The Excise Authorities and the Law say so!

On Saturday, July 4, 1914, the Recorder at the Bradford Quarter Sessions ***ALLOWED AN APPEAL*** by Mr. Oliver Hobson, manager to Messrs. Savage & Co., Ltd., Chemists, of 658 Manchester Road, Bradford, against the decision of the Bradford Justices who had previously fined Mr. Hobson £3, and costs, for selling Wincarnis with Quinine without a wine license. In allowing the appeal, with costs, the Recorder said that **the conviction was wrong.**

It is, therefore, an established fact that

NO LICENSE IS REQUIRED

to sell

WINCARNIS with QUININE

HOW IS YOUR STOCK?

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH

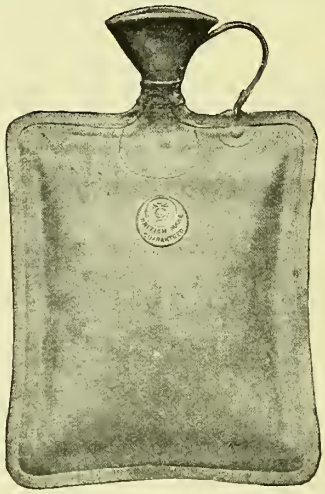
May, Roberts' Traveller.

No. 4023 CITY. OCTOBER 31, 1914. LONDON & DUBLIN.

HOT WATER BOTTLES.

RED OR GREY RUBBER.

BRITISH MAKE



BRITISH MAKE

THE LYNCHGATE.

Grey Rubber, with Steam Escapement Valve. Each bottle supplied with extra rubber washer, and directions for use.

GUARANTEED FOR TWO YEARS.

	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14	10×16	12×14	12×16
Each	2/4	2/7	2/11	3/3	3/6	3/11	4/2	4/9	5/2	5/4	6/-

Subject to 5 % discount. Or by Weight, 4/- per lb. Net.

THE SANDRINGHAM.

Red Rubber, Best Quality, fitted with ordinary stopper, with large aperture to admit of easy filling, fitted flush with bottom of funnel. Each bottle is supplied complete in a box with spare rubber washer.

GUARANTEED FOR THREE YEARS.

	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	2/7	2/11	3/3	3/7	3/11	4/5	4/8	5/3

Subject to 5 % discount.

COVERS FOR ABOVE BOTTLES IN GREY OR RED PLUSH at 8/6 per dozen.

ALL SIZES SAME PRICE.

MAY, ROBERTS & CO., LTD. 7, 9 & 11 Clerkenwell Road, LONDON, E.C.

& 16 WESTMORELAND STREET, DUBLIN.

[60]

ARMY AND NAVY SOAP

No. 74.

Many lines fulfil the purpose of attracting attention, but are they a necessity or of interest under the present state of affairs ?

Soap is always in demand, and a novelty in this article, if liberally displayed, will receive a due share of notice.

Messrs. Margerison are now offering three new tablets described as

ARMY and NAVY SOAP.

These tablets are made in three colours, Red, White and Blue, and bear the imprint of Lord KITCHENER and Admiral JELLICOE. Packed in hinged boxes of 1 dozen tablets, each box labelled with photographs of Lord Kitchener, Sir John French and Admiral Jellicoe.

Price **19/-** per gross, and the usual reduction for quantity.

Small soap models of Lord KITCHENER **30/-** per gross.

Make a grand Patriotic Window Show and increase your trade for Toilet Soaps.

EVANS SONS LESCHER & WEBB

LIMITED.

LIVERPOOL and LONDON.

RAIMES'

Inf. Gent. Co. Conc.
Pulv. Glycyrrh. Co.
Pulv. Tragacanth. Elect.
Pulv. Rhei E.I.
Insect Powder, from all closed flowers
Tinctures prepared with finest English grain spirit

HAVE AN **ESTABLISHED** AND **WELL-EARNED REPUTATION.**

Samples and close quotations for the above, also for any Standard Drugs and Preparations, on application to—

RAIMES & CO., Wholesale Druggists, **YORK.**

QUALITY THE FIRST CONSIDERATION. STATE QUANTITY REQUIRED.

EMETINE HYDROCHLORID. (Whiffen's)
EMETINE HYDROBROMID. (Whiffen's)
For Hypodermic Injection.

The New Remedy in Amœbic Disease.—Vide *British Medical Journal*, Aug. 24, 1912, pp. 405–408.

Emetine for Hæmoptysis: Vide *Press Médicale, Paris*, September 24.—"The result is surprising, hæmorrhage from the lung ceasing at once."—Prof. C. Flandin.

May be obtained by ordering Whiffen's Brand, from all Chemists and Wholesale Drug Houses in the United Kingdom and Abroad

WHIFFEN & SONS, LIMITED, BATTERSEA, LONDON, S.W. Telephone—254 and 255 BATTERSEA.

ALFRED WHITE & SONS,
Established 1775,
Manufacturing & Export Chemists.

Telegrams: "Ether Methylated London."

Telephone: 1315 Holborn.

ANALYTICAL
PHARMACEUTICAL
RESEARCH
and
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CHEMICALS
and
PREPARATIONS.

Offices and Warehouse:
28-31 ALLEN STREET,
GOSWELL ROAD,
—LONDON, E.C.—

Works and Wharf:
—YIEWSLEY—
CHEMICAL WORKS,
WEST DRAYTON, MIDDX.

PRICE LISTS FREE ON APPLICATION.

A guarantee **Cadbury's Cocoa Essence** (unflavoured)
is absolutely pure & prepared only from the finest selected Cocoa

Printed for the Proprietors by Spottiswoode & Co., Ltd., New-street Square; and Published by the Proprietors at 42 Cannon Street, [illegible] October 31, 1914.